

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014627.D
 Acq On : 13 Jul 2023 13:31
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 02:01:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 01:52:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	336411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	565079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	497350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	248140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	82406	21.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	43.000%#
35) Dibromofluoromethane	7.703	113	75792	21.070	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	42.140%#
50) Toluene-d8	10.173	98	278928	21.032	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	42.060%#
62) 4-Bromofluorobenzene	12.477	95	105822	20.810	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	49441	18.039	ug/l	96
3) Chloromethane	2.107	50	60904	19.768	ug/l	99
4) Vinyl Chloride	2.241	62	66927	19.437	ug/l	94
5) Bromomethane	2.631	94	46818	20.575	ug/l	97
6) Chloroethane	2.777	64	43198	20.085	ug/l	93
7) Trichlorofluoromethane	3.113	101	112596	19.470	ug/l	98
8) Diethyl Ether	3.521	74	45343	21.074	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	68811	19.413	ug/l	96
10) Methyl Iodide	4.076	142	70675	20.287	ug/l	97
11) Tert butyl alcohol	4.942	59	108728	126.848	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	65904	19.894	ug/l	92
13) Acrolein	3.716	56	42525	106.132	ug/l	100
14) Allyl chloride	4.466	41	118961	20.224	ug/l	94
15) Acrylonitrile	5.149	53	132508	111.680	ug/l	97
16) Acetone	3.936	43	146145	120.304	ug/l	94
17) Carbon Disulfide	4.180	76	182889	19.283	ug/l	100
18) Methyl Acetate	4.466	43	102231	21.929	ug/l	94
19) Methyl tert-butyl Ether	5.204	73	229063	21.286	ug/l	99
20) Methylene Chloride	4.698	84	95399	21.791	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	75310	20.032	ug/l	100
22) Diisopropyl ether	6.112	45	248945	20.817	ug/l	91
23) Vinyl Acetate	6.045	43	764128	106.775	ug/l	96
24) 1,1-Dichloroethane	6.003	63	141257	20.644	ug/l	98
25) 2-Butanone	6.972	43	206994	116.469	ug/l	99
26) 2,2-Dichloropropane	6.972	77	135191	20.730	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	89452	20.441	ug/l	99
28) Bromochloromethane	7.325	49	57018	19.348	ug/l	95
29) Tetrahydrofuran	7.338	42	122362	111.813	ug/l	94
30) Chloroform	7.496	83	147319	20.878	ug/l	98
31) Cyclohexane	7.777	56	121492	19.091	ug/l	90
32) 1,1,1-Trichloroethane	7.691	97	127725	20.112	ug/l	99
36) 1,1-Dichloropropene	7.911	75	106099	19.723	ug/l	99
37) Ethyl Acetate	7.063	43	81307	21.953	ug/l #	94
38) Carbon Tetrachloride	7.892	117	111763	19.654	ug/l	99
39) Methylcyclohexane	9.179	83	134877	19.245	ug/l	96
40) Benzene	8.149	78	312574	20.431	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014627.D
 Acq On : 13 Jul 2023 13:31
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 02:01:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 01:52:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	44594m	22.768	ug/l	
42) 1,2-Dichloroethane	8.228	62	100533	20.750	ug/l	93
43) Isopropyl Acetate	8.264	43	151878	21.527	ug/l	97
44) Trichloroethene	8.935	130	87579	20.459	ug/l	97
45) 1,2-Dichloropropane	9.209	63	82540	20.661	ug/l	95
46) Dibromomethane	9.301	93	50553	20.859	ug/l	96
47) Bromodichloromethane	9.490	83	117797	20.622	ug/l	99
48) Methyl methacrylate	9.289	41	67029	21.114	ug/l	92
49) 1,4-Dioxane	9.289	88	18478	467.577	ug/l #	46
51) 4-Methyl-2-Pentanone	10.063	43	411765	111.158	ug/l	94
52) Toluene	10.240	92	201402	20.572	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	129624	20.746	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	140222	20.637	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	70252	20.809	ug/l	97
56) Ethyl methacrylate	10.502	69	110555	21.448	ug/l	91
57) 1,3-Dichloropropane	10.782	76	122212	20.988	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	237189	98.758	ug/l	95
59) 2-Hexanone	10.825	43	307492	113.827	ug/l	92
60) Dibromochloromethane	10.977	129	86307	20.851	ug/l	98
61) 1,2-Dibromoethane	11.081	107	71136	21.122	ug/l	100
64) Tetrachloroethene	10.715	164	83277	20.819	ug/l	98
65) Chlorobenzene	11.514	112	217967	20.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	83727	20.952	ug/l	99
67) Ethyl Benzene	11.587	91	390374	20.401	ug/l	100
68) m/p-Xylenes	11.697	106	302042	41.350	ug/l	96
69) o-Xylene	12.026	106	145293	20.422	ug/l	100
70) Styrene	12.038	104	249927	20.843	ug/l	98
71) Bromoform	12.203	173	58516	21.603	ug/l #	98
73) Isopropylbenzene	12.325	105	384943	19.812	ug/l	100
74) N-amyl acetate	12.142	43	135582	20.835	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	92533	20.884	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	63372m	19.956	ug/l	
77) Bromobenzene	12.605	156	90496	20.404	ug/l	93
78) n-propylbenzene	12.666	91	463351	19.791	ug/l	99
79) 2-Chlorotoluene	12.751	91	268440	19.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	324719	20.012	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	33446	20.663	ug/l	94
82) 4-Chlorotoluene	12.849	91	279148	20.099	ug/l	98
83) tert-Butylbenzene	13.074	119	286669	19.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	320020	20.096	ug/l	99
85) sec-Butylbenzene	13.251	105	423193	20.042	ug/l	100
86) p-Isopropyltoluene	13.367	119	349989	20.301	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	177848	20.604	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	176391	20.392	ug/l	97
89) n-Butylbenzene	13.690	91	334330	19.933	ug/l	96
90) Hexachloroethane	13.958	117	71176	20.100	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	162475	20.545	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18028	21.276	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	103641	20.645	ug/l	98
94) Hexachlorobutadiene	15.111	225	55533	20.130	ug/l	98
95) Naphthalene	15.233	128	248614	21.256	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	93460	20.947	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
Data File : VY014627.D
Acq On : 13 Jul 2023 13:31
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 02:01:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 01:52:00 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014627.D
 Acq On : 13 Jul 2023 13:31
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 14 02:01:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 01:52:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

