

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014611.D
 Acq On : 10 Jul 2023 12:32
 Operator : SY/MD
 Sample : VY0710SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 03:15:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	328092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	473247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	434269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	235377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	150781	46.198	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.400%		
35) Dibromofluoromethane	7.716	113	146988	50.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.880%		
50) Toluene-d8	10.179	98	568155	49.317	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.640%		
62) 4-Bromofluorobenzene	12.477	95	192213	48.048	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	62998	24.439	ug/l	98
3) Chloromethane	2.113	50	85196	22.421	ug/l	100
4) Vinyl Chloride	2.247	62	101005	23.061	ug/l	95
5) Bromomethane	2.631	94	74879	22.048	ug/l	100
6) Chloroethane	2.784	64	63798	22.623	ug/l	96
7) Trichlorofluoromethane	3.119	101	117424	22.075	ug/l	99
8) Diethyl Ether	3.527	74	40037	19.878	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	67527	21.258	ug/l	98
10) Methyl Iodide	4.088	142	74069	20.433	ug/l	92
11) Tert butyl alcohol	4.960	59	41992	59.547	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	62284	20.240	ug/l	86
13) Acrolein	3.723	56	40317	92.823	ug/l	100
14) Allyl chloride	4.472	41	86517	18.653	ug/l #	87
15) Acrylonitrile	5.161	53	99776	86.293	ug/l	99
16) Acetone	3.948	43	87838	86.178	ug/l #	85
17) Carbon Disulfide	4.192	76	187281	19.970	ug/l	99
18) Methyl Acetate	4.479	43	80047	17.252	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	163872	18.528	ug/l	99
20) Methylene Chloride	4.710	84	96280	23.408	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	67699	19.435	ug/l	89
22) Diisopropyl ether	6.118	45	182773	19.124	ug/l	92
23) Vinyl Acetate	6.058	43	511160	92.441	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	117018	19.503	ug/l	96
25) 2-Butanone	6.984	43	128246	84.976	ug/l	91
26) 2,2-Dichloropropane	6.978	77	96059	18.783	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	74561	18.870	ug/l	90
28) Bromochloromethane	7.332	49	52927	21.008	ug/l	86
29) Tetrahydrofuran	7.344	42	88696	91.114	ug/l	89
30) Chloroform	7.508	83	123844	19.787	ug/l	98
31) Cyclohexane	7.783	56	98454	19.227	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	106024	19.818	ug/l	97
36) 1,1-Dichloropropene	7.917	75	90773	20.339	ug/l	97
37) Ethyl Acetate	7.076	43	57651	18.836	ug/l #	94
38) Carbon Tetrachloride	7.899	117	97501	20.928	ug/l	99
39) Methylcyclohexane	9.185	83	110048	20.629	ug/l	93
40) Benzene	8.161	78	266761	19.746	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014611.D
 Acq On : 10 Jul 2023 12:32
 Operator : SY/MD
 Sample : VY0710SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 03:15:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27533m	18.414	ug/l	
42) 1,2-Dichloroethane	8.234	62	78315	19.723	ug/l	92
43) Isopropyl Acetate	8.271	43	97684	18.833	ug/l #	91
44) Trichloroethene	8.935	130	77699	20.630	ug/l	89
45) 1,2-Dichloropropane	9.215	63	68112	19.653	ug/l	95
46) Dibromomethane	9.307	93	42293	20.045	ug/l	94
47) Bromodichloromethane	9.496	83	93193	20.047	ug/l	97
48) Methyl methacrylate	9.289	41	44339	18.798	ug/l #	79
49) 1,4-Dioxane	9.295	88	13715	364.032	ug/l #	65
51) 4-Methyl-2-Pentanone	10.069	43	289198	94.179	ug/l	90
52) Toluene	10.240	92	169240	19.907	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	97338	19.580	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	109126	19.675	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	61325	19.975	ug/l	93
56) Ethyl methacrylate	10.508	69	79590	19.058	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	97528	19.497	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	201428	99.562	ug/l	96
59) 2-Hexanone	10.831	43	206960	93.302	ug/l	89
60) Dibromochloromethane	10.983	129	72157	20.059	ug/l	100
61) 1,2-Dibromoethane	11.087	107	60722	20.259	ug/l	99
64) Tetrachloroethene	10.715	164	79967	20.599	ug/l	97
65) Chlorobenzene	11.514	112	183854	19.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	71114	20.217	ug/l	98
67) Ethyl Benzene	11.593	91	311809	19.757	ug/l	98
68) m/p-Xylenes	11.703	106	252362	40.312	ug/l	93
69) o-Xylene	12.026	106	115616	19.472	ug/l	96
70) Styrene	12.044	104	200637	19.640	ug/l	97
71) Bromoform	12.203	173	54574	20.422	ug/l #	99
73) Isopropylbenzene	12.325	105	309476	20.076	ug/l	99
74) N-amyl acetate	12.142	43	89240	19.181	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	78376	19.812	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	56560m	20.477	ug/l	
77) Bromobenzene	12.605	156	84440	20.055	ug/l	94
78) n-propylbenzene	12.672	91	384267	20.435	ug/l	99
79) 2-Chlorotoluene	12.751	91	216098	19.969	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	264602	20.276	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	26510	18.681	ug/l	88
82) 4-Chlorotoluene	12.855	91	227633	20.078	ug/l	97
83) tert-Butylbenzene	13.075	119	229105	19.976	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	259251	19.908	ug/l	98
85) sec-Butylbenzene	13.251	105	346088	20.449	ug/l	99
86) p-Isopropyltoluene	13.367	119	290224	20.377	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	165706	20.129	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	162185	19.658	ug/l	99
89) n-Butylbenzene	13.696	91	267192	20.299	ug/l	98
90) Hexachloroethane	13.959	117	58062	20.580	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	148974	19.978	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14435	19.931	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	96138	19.961	ug/l	97
94) Hexachlorobutadiene	15.111	225	64932	21.935	ug/l	99
95) Naphthalene	15.233	128	188814	18.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	88144	20.086	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
Data File : VY014611.D
Acq On : 10 Jul 2023 12:32
Operator : SY/MD
Sample : VY0710SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 03:15:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 30 19:02:11 2023
Response via : Initial Calibration

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

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

