

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022323\
 Data File : VY012699.D
 Acq On : 23 Feb 2023 11:32
 Operator : KP/MD
 Sample : VY0223SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0223SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 23:51:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	116775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	182196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	160417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65122	47.218	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.440%		
35) Dibromofluoromethane	7.716	113	60145	48.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.740%		
50) Toluene-d8	10.179	98	227132	49.265	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.540%		
62) 4-Bromofluorobenzene	12.483	95	74018	50.170	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23285	19.395	ug/l	97
3) Chloromethane	2.113	50	29409	18.195	ug/l	100
4) Vinyl Chloride	2.253	62	26611	20.061	ug/l	99
5) Bromomethane	2.643	94	15597	21.469	ug/l	97
6) Chloroethane	2.796	64	16198	19.182	ug/l	97
7) Trichlorofluoromethane	3.125	101	44092	20.620	ug/l	95
8) Diethyl Ether	3.527	74	15172	19.818	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	26177	20.485	ug/l	99
10) Methyl Iodide	4.088	142	32870	19.645	ug/l	100
11) Tert butyl alcohol	4.954	59	14783	97.988	ug/l	96
12) 1,1-Dichloroethene	3.875	96	25323	20.527	ug/l	99
13) Acrolein	3.729	56	19395	101.750	ug/l	99
14) Allyl chloride	4.478	41	46451	19.401	ug/l	99
15) Acrylonitrile	5.161	53	39431	96.813	ug/l	99
16) Acetone	3.948	43	40972	91.043	ug/l	96
17) Carbon Disulfide	4.198	76	83713	20.165	ug/l	100
18) Methyl Acetate	4.478	43	27441	18.929	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	64155	19.334	ug/l	100
20) Methylene Chloride	4.716	84	34844	21.376	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	27658	20.612	ug/l	96
22) Diisopropyl ether	6.125	45	93437	20.914	ug/l	98
23) Vinyl Acetate	6.057	43	275448	99.546	ug/l	98
24) 1,1-Dichloroethane	6.021	63	51143	20.644	ug/l	99
25) 2-Butanone	6.984	43	56661	94.863	ug/l	100
26) 2,2-Dichloropropane	6.984	77	43810	20.273	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	29721	20.243	ug/l	100
28) Bromochloromethane	7.332	49	20836	21.004	ug/l	98
29) Tetrahydrofuran	7.350	42	35611	97.656	ug/l	99
30) Chloroform	7.508	83	49751	20.726	ug/l	99
31) Cyclohexane	7.783	56	47072	19.645	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	43754	20.135	ug/l	99
36) 1,1-Dichloropropene	7.917	75	39596	20.299	ug/l	98
37) Ethyl Acetate	7.076	43	23778	18.065	ug/l	97
38) Carbon Tetrachloride	7.899	117	40090	19.877	ug/l	95
39) Methylcyclohexane	9.185	83	46016	20.450	ug/l	96
40) Benzene	8.161	78	112489	20.659	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022323\
 Data File : VY012699.D
 Acq On : 23 Feb 2023 11:32
 Operator : KP/MD
 Sample : VY0223SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0223SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 23:51:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12173m	18.989	ug/l	
42) 1,2-Dichloroethane	8.234	62	33746	19.987	ug/l	100
43) Isopropyl Acetate	8.270	43	43031	18.919	ug/l	98
44) Trichloroethene	8.941	130	29020	20.614	ug/l	97
45) 1,2-Dichloropropane	9.215	63	29161	20.821	ug/l	100
46) Dibromomethane	9.307	93	15739	20.357	ug/l	97
47) Bromodichloromethane	9.496	83	37633	20.219	ug/l	98
48) Methyl methacrylate	9.295	41	19613	18.479	ug/l	98
49) 1,4-Dioxane	9.295	88	3850	359.724	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	117300	95.606	ug/l	99
52) Toluene	10.246	92	68761	21.314	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	38423	19.755	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	44741	20.329	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	21537	20.509	ug/l	96
56) Ethyl methacrylate	10.508	69	28407	19.808	ug/l	98
57) 1,3-Dichloropropane	10.794	76	37452	20.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	72650	92.760	ug/l	100
59) 2-Hexanone	10.831	43	82703	95.085	ug/l	98
60) Dibromochloromethane	10.983	129	26202	20.595	ug/l	98
61) 1,2-Dibromoethane	11.087	107	20712	20.587	ug/l	99
64) Tetrachloroethene	10.721	164	24127	20.680	ug/l	96
65) Chlorobenzene	11.514	112	72066	20.949	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	26868	21.075	ug/l	98
67) Ethyl Benzene	11.593	91	127449	20.727	ug/l	99
68) m/p-Xylenes	11.703	106	99751	42.526	ug/l	97
69) o-Xylene	12.032	106	45118	20.767	ug/l	99
70) Styrene	12.044	104	77222	21.207	ug/l	99
71) Bromoform	12.209	173	16070	19.754	ug/l #	99
73) Isopropylbenzene	12.331	105	121664	20.222	ug/l	99
74) N-amyl acetate	12.142	43	36639	18.525	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	26420	19.530	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20466m	20.164	ug/l	
77) Bromobenzene	12.611	156	28967	20.094	ug/l	98
78) n-propylbenzene	12.672	91	152867	20.313	ug/l	100
79) 2-Chlorotoluene	12.757	91	84737	20.268	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	100695	20.036	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8924	18.626	ug/l	98
82) 4-Chlorotoluene	12.855	91	86925	20.047	ug/l	99
83) tert-Butylbenzene	13.075	119	87042	20.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	99452	20.243	ug/l	97
85) sec-Butylbenzene	13.257	105	135015	20.678	ug/l	99
86) p-Isopropyltoluene	13.367	119	109592	20.380	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	57283	20.287	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	56916	19.877	ug/l	98
89) n-Butylbenzene	13.696	91	104340	20.260	ug/l	99
90) Hexachloroethane	13.958	117	22582	20.693	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	51047	20.243	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4294	19.310	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	30680	19.237	ug/l	99
94) Hexachlorobutadiene	15.111	225	18799	19.531	ug/l	99
95) Naphthalene	15.239	128	58017	18.003	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	27219	19.281	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022323\
Data File : VY012699.D
Acq On : 23 Feb 2023 11:32
Operator : KP/MD
Sample : VY0223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0223SBSD01

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 23:51:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 22 01:21:05 2023
Response via : Initial Calibration

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

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

