

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013863.D
 Acq On : 25 May 2023 11:18
 Operator : KP/MD
 Sample : VY0525SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0525SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2023
 Supervised By :Mahesh Dadoda 05/26/2023

Quant Time: May 25 15:20:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	240581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	358527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	136655	49.098	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.200%		
35) Dibromofluoromethane	7.722	113	116466	50.301	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.600%		
50) Toluene-d8	10.179	98	435999	49.545	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.100%		
62) 4-Bromofluorobenzene	12.483	95	150738	51.532	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37399	16.971	ug/l	98
3) Chloromethane	2.113	50	44752	16.669	ug/l	97
4) Vinyl Chloride	2.253	62	46132	16.803	ug/l	99
5) Bromomethane	2.656	94	40285	18.464	ug/l	97
6) Chloroethane	2.796	64	31562	17.642	ug/l	100
7) Trichlorofluoromethane	3.131	101	86762	18.777	ug/l	99
8) Diethyl Ether	3.534	74	26343	18.587	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	47580	18.995	ug/l	99
10) Methyl Iodide	4.094	142	43430	14.604	ug/l	97
11) Tert butyl alcohol	4.966	59	22215	104.189	ug/l #	73
12) 1,1-Dichloroethene	3.881	96	41746	17.740	ug/l	97
13) Acrolein	3.735	56	33113	103.245	ug/l	94
14) Allyl chloride	4.485	41	71740	16.698	ug/l	99
15) Acrylonitrile	5.167	53	69167	95.182	ug/l	100
16) Acetone	3.954	43	82880	100.330	ug/l	96
17) Carbon Disulfide	4.198	76	106116	15.107	ug/l	99
18) Methyl Acetate	4.485	43	53277	18.590	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	116673	18.167	ug/l	97
20) Methylene Chloride	4.722	84	75721	24.560	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	44435	17.370	ug/l	97
22) Diisopropyl ether	6.118	45	153956	18.560	ug/l	96
23) Vinyl Acetate	6.064	43	431019	89.212	ug/l	99
24) 1,1-Dichloroethane	6.021	63	88638	18.304	ug/l	100
25) 2-Butanone	6.990	43	97663	96.887	ug/l	97
26) 2,2-Dichloropropane	6.984	77	81368	18.654	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	53347	18.564	ug/l	99
28) Bromochloromethane	7.338	49	30435	21.412	ug/l	98
29) Tetrahydrofuran	7.350	42	57842	96.111	ug/l	97
30) Chloroform	7.508	83	96260	19.606	ug/l	98
31) Cyclohexane	7.789	56	70769	16.549	ug/l #	93
32) 1,1,1-Trichloroethane	7.704	97	86716	19.361	ug/l	99
36) 1,1-Dichloropropene	7.923	75	64948	18.416	ug/l	98
37) Ethyl Acetate	7.082	43	40857	18.993	ug/l	98
38) Carbon Tetrachloride	7.905	117	79138	19.732	ug/l	99
39) Methylcyclohexane	9.185	83	72083	17.453	ug/l	98
40) Benzene	8.161	78	191152	18.871	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18141	15.456	ug/l #	70
42) 1,2-Dichloroethane	8.240	62	66213	19.965	ug/l	99
43) Isopropyl Acetate	8.277	43	75775	19.330	ug/l	98
44) Trichloroethene	8.941	130	50874	18.642	ug/l	100
45) 1,2-Dichloropropane	9.222	63	50009	19.272	ug/l	97
46) Dibromomethane	9.307	93	29531	19.872	ug/l	98
47) Bromodichloromethane	9.496	83	73139	20.195	ug/l	100
48) Methyl methacrylate	9.295	41	34223	18.592	ug/l	94
49) 1,4-Dioxane	9.313	88	6982	399.765	ug/l #	95
51) 4-Methyl-2-Pentanone	10.069	43	209139	100.110	ug/l	100
52) Toluene	10.246	92	119690	19.380	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	72815	19.752	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	80113	19.398	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	40162	20.088	ug/l	98
56) Ethyl methacrylate	10.508	69	52439	19.649	ug/l	95
57) 1,3-Dichloropropane	10.788	76	68010	19.974	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	92897	109.090	ug/l	99
59) 2-Hexanone	10.831	43	152788	102.819	ug/l	100
60) Dibromochloromethane	10.983	129	52002	20.562	ug/l	100
61) 1,2-Dibromoethane	11.087	107	37806	19.878	ug/l	100
64) Tetrachloroethene	10.721	164	45461	18.961	ug/l	94
65) Chlorobenzene	11.514	112	131383	19.345	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	52535	20.042	ug/l	100
67) Ethyl Benzene	11.593	91	226843	18.560	ug/l	96
68) m/p-Xylenes	11.703	106	176727	38.209	ug/l	100
69) o-Xylene	12.032	106	84026	19.286	ug/l	98
70) Styrene	12.044	104	143653	19.465	ug/l	99
71) Bromoform	12.209	173	35524	20.735	ug/l	97
73) Isopropylbenzene	12.331	105	226023	18.015	ug/l	99
74) N-amyl acetate	12.142	43	65728	17.425	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	50006	19.254	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	31740m	15.969	ug/l	
77) Bromobenzene	12.611	156	57363	18.634	ug/l	96
78) n-propylbenzene	12.672	91	278886	17.993	ug/l	99
79) 2-Chlorotoluene	12.758	91	155969	18.015	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	190854	18.429	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16722	18.262	ug/l	98
82) 4-Chlorotoluene	12.855	91	165662	18.513	ug/l	99
83) tert-Butylbenzene	13.075	119	164797	18.271	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	188145	18.508	ug/l	99
85) sec-Butylbenzene	13.251	105	251161	18.745	ug/l	100
86) p-Isopropyltoluene	13.373	119	208340	18.813	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	110298	18.551	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	114120	19.279	ug/l	98
89) n-Butylbenzene	13.696	91	193058	18.179	ug/l	98
90) Hexachloroethane	13.959	117	41710	18.344	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	101527	19.214	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9223	20.269	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	61726	18.843	ug/l	96
94) Hexachlorobutadiene	15.111	225	40107	19.418	ug/l	100
95) Naphthalene	15.239	128	111244	18.605	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	53738	18.447	ug/l	99

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

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