

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013659.D
 Acq On : 09 May 2023 11:34
 Operator : KP/MD
 Sample : VY0509SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0509SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/10/2023
 Supervised By :Mahesh Dadoda 05/10/2023

Quant Time: May 10 05:34:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	244163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	365528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	139772	52.221	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.440%			
35) Dibromofluoromethane	7.716	113	123665	53.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.580%			
50) Toluene-d8	10.178	98	417008	50.988	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.483	95	157417	57.094	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54039	23.280	ug/l	100
3) Chloromethane	2.113	50	65919	21.186	ug/l	95
4) Vinyl Chloride	2.253	62	64645	20.867	ug/l	96
5) Bromomethane	2.649	94	52482	21.258	ug/l	99
6) Chloroethane	2.796	64	43730	20.432	ug/l	100
7) Trichlorofluoromethane	3.125	101	109841	23.404	ug/l	98
8) Diethyl Ether	3.527	74	36078	22.574	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	58712	22.303	ug/l	98
10) Methyl Iodide	4.094	142	63521	19.212	ug/l	99
11) Tert butyl alcohol	4.929	59	58724m	194.935	ug/l	
12) 1,1-Dichloroethene	3.875	96	55310	21.797	ug/l	94
13) Acrolein	3.728	56	22848	92.106	ug/l	94
14) Allyl chloride	4.478	41	99902	21.218	ug/l	97
15) Acrylonitrile	5.167	53	101598	113.511	ug/l	99
16) Acetone	3.954	43	111198	105.495	ug/l	97
17) Carbon Disulfide	4.198	76	163334	19.815	ug/l	98
18) Methyl Acetate	4.478	43	75971	21.822	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	159061	21.712	ug/l	97
20) Methylene Chloride	4.716	84	80283	19.355	ug/l #	87
21) trans-1,2-Dichloroethene	5.216	96	60154	21.681	ug/l	95
22) Diisopropyl ether	6.118	45	208746	22.682	ug/l	91
23) Vinyl Acetate	6.063	43	621987	119.368	ug/l	96
24) 1,1-Dichloroethane	6.015	63	116159	22.647	ug/l	98
25) 2-Butanone	6.990	43	147362	110.237	ug/l	96
26) 2,2-Dichloropropane	6.984	77	107795	24.389	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	69993	22.833	ug/l	94
28) Bromochloromethane	7.331	49	42143	23.154	ug/l	82
29) Tetrahydrofuran	7.350	42	88442	106.286	ug/l	91
30) Chloroform	7.508	83	120355	23.601	ug/l	97
31) Cyclohexane	7.789	56	100679	21.009	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	106304	23.360	ug/l	98
36) 1,1-Dichloropropene	7.923	75	87674	22.978	ug/l	97
37) Ethyl Acetate	7.075	43	63279	22.038	ug/l	96
38) Carbon Tetrachloride	7.898	117	97795	24.454	ug/l	96
39) Methylcyclohexane	9.185	83	99970	22.225	ug/l	94
40) Benzene	8.161	78	255153	23.740	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28239	21.105	ug/l	94
42) 1,2-Dichloroethane	8.240	62	87937	25.026	ug/l	98
43) Isopropyl Acetate	8.270	43	109239	22.540	ug/l	98
44) Trichloroethene	8.941	130	68154	23.839	ug/l	99
45) 1,2-Dichloropropane	9.215	63	65789	23.411	ug/l	98
46) Dibromomethane	9.307	93	39026	23.210	ug/l	97
47) Bromodichloromethane	9.496	83	91931	24.434	ug/l	99
48) Methyl methacrylate	9.294	41	49174	22.093	ug/l	94
49) 1,4-Dioxane	9.307	88	10099	420.538	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	309692	114.672	ug/l	96
52) Toluene	10.246	92	157797	24.398	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	94448	23.719	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	104912	23.415	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	52948	23.778	ug/l	96
56) Ethyl methacrylate	10.508	69	71141	23.029	ug/l	91
57) 1,3-Dichloropropane	10.788	76	90195	23.917	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	145569	125.662	ug/l	93
59) 2-Hexanone	10.831	43	230771	117.550	ug/l	95
60) Dibromochloromethane	10.983	129	65899	24.373	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52312	23.895	ug/l	97
64) Tetrachloroethene	10.721	164	58605	23.035	ug/l	95
65) Chlorobenzene	11.514	112	166663	22.867	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	65120	23.890	ug/l	99
67) Ethyl Benzene	11.593	91	295457	23.085	ug/l	98
68) m/p-Xylenes	11.703	106	229340	47.137	ug/l	99
69) o-Xylene	12.032	106	105522	22.932	ug/l	96
70) Styrene	12.044	104	182112	23.670	ug/l	99
71) Bromoform	12.209	173	44442	23.276	ug/l	100
73) Isopropylbenzene	12.331	105	287215	22.560	ug/l	98
74) N-amyl acetate	12.142	43	94607	20.882	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	68742	22.090	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	52121m	22.961	ug/l	
77) Bromobenzene	12.611	156	71010	23.019	ug/l	94
78) n-propylbenzene	12.672	91	357876	22.822	ug/l	97
79) 2-Chlorotoluene	12.757	91	200316	22.875	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	240005	23.097	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	23440	21.122	ug/l	95
82) 4-Chlorotoluene	12.855	91	211604	23.184	ug/l	97
83) tert-Butylbenzene	13.074	119	205691	22.848	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	237576	23.516	ug/l	99
85) sec-Butylbenzene	13.251	105	313172	23.179	ug/l	99
86) p-Isopropyltoluene	13.367	119	257168	23.669	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	138566	23.577	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	138826	23.384	ug/l	99
89) n-Butylbenzene	13.696	91	245690	23.168	ug/l	98
90) Hexachloroethane	13.958	117	52473	22.946	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	123764	23.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11966	21.773	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	75820	23.962	ug/l	98
94) Hexachlorobutadiene	15.111	225	47894	26.008	ug/l	99
95) Naphthalene	15.239	128	151390	22.051	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	68840	24.410	ug/l	99

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

