

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013540.D
 Acq On : 01 May 2023 16:02
 Operator : KP/MD
 Sample : VY0501SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/02/2023
 Supervised By :Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:49:18 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	291165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	443524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	397226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	198797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	153913	48.221	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.440%		
35) Dibromofluoromethane	7.715	113	136037	48.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.540%		
50) Toluene-d8	10.178	98	485914	48.965	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.483	95	171384	51.228	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	61584	22.248	ug/l	99
3) Chloromethane	2.113	50	71469	19.262	ug/l	99
4) Vinyl Chloride	2.253	62	71594	19.379	ug/l	97
5) Bromomethane	2.655	94	53803	18.275	ug/l	95
6) Chloroethane	2.790	64	48117	18.853	ug/l	97
7) Trichlorofluoromethane	3.125	101	115179	20.580	ug/l	99
8) Diethyl Ether	3.527	74	36609	19.209	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	63496	20.226	ug/l	98
10) Methyl Iodide	4.088	142	69234	17.559	ug/l	96
11) Tert butyl alcohol	4.990	59	27666	77.405	ug/l	99
12) 1,1-Dichloroethene	3.869	96	59022	19.505	ug/l	94
13) Acrolein	3.734	56	28822	97.964	ug/l	96
14) Allyl chloride	4.472	41	106412	18.952	ug/l	97
15) Acrylonitrile	5.161	53	94592	88.624	ug/l	98
16) Acetone	3.954	43	99328	79.022	ug/l	95
17) Carbon Disulfide	4.192	76	191398	19.472	ug/l	100
18) Methyl Acetate	4.478	43	71469	17.215	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	165542	18.949	ug/l	99
20) Methylene Chloride	4.710	84	96688	19.643	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	66202	20.009	ug/l	94
22) Diisopropyl ether	6.112	45	217381	19.808	ug/l	93
23) Vinyl Acetate	6.057	43	577477m	92.935	ug/l	
24) 1,1-Dichloroethane	6.015	63	122941	20.100	ug/l	99
25) 2-Butanone	6.990	43	132624	83.196	ug/l	90
26) 2,2-Dichloropropane	6.978	77	107863	20.465	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	74280	20.320	ug/l	96
28) Bromochloromethane	7.331	49	44692	20.591	ug/l	85
29) Tetrahydrofuran	7.350	42	81617	82.250	ug/l	94
30) Chloroform	7.502	83	127728	21.003	ug/l	97
31) Cyclohexane	7.783	56	109606	19.180	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	114926	21.178	ug/l	97
36) 1,1-Dichloropropene	7.917	75	96194	20.778	ug/l	98
37) Ethyl Acetate	7.075	43	61305	17.596	ug/l	97
38) Carbon Tetrachloride	7.898	117	107885	22.233	ug/l	96
39) Methylcyclohexane	9.185	83	108268	19.837	ug/l	97
40) Benzene	8.154	78	273361	20.961	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	29087	17.916	ug/l	99
42) 1,2-Dichloroethane	8.234	62	89076	20.892	ug/l	98
43) Isopropyl Acetate	8.270	43	105932	18.014	ug/l	98
44) Trichloroethene	8.941	130	71803	20.699	ug/l	99
45) 1,2-Dichloropropane	9.215	63	70465	20.665	ug/l	98
46) Dibromomethane	9.301	93	40762	19.979	ug/l	99
47) Bromodichloromethane	9.496	83	96568	21.153	ug/l	99
48) Methyl methacrylate	9.288	41	48123	17.818	ug/l	96
49) 1,4-Dioxane	9.319	88	10679	366.489	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	293309	89.507	ug/l	96
52) Toluene	10.246	92	170176	21.684	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	97819	20.246	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	110774	20.375	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	54404	20.136	ug/l	95
56) Ethyl methacrylate	10.508	69	73760	19.678	ug/l	95
57) 1,3-Dichloropropane	10.788	76	94327	20.614	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	145826	103.747	ug/l	96
59) 2-Hexanone	10.831	43	208747	87.633	ug/l	97
60) Dibromochloromethane	10.983	129	68296	20.818	ug/l	98
61) 1,2-Dibromoethane	11.087	107	52788	19.872	ug/l	99
64) Tetrachloroethene	10.721	164	64842	21.467	ug/l	97
65) Chlorobenzene	11.514	112	178065	20.578	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	68553	21.183	ug/l	99
67) Ethyl Benzene	11.593	91	317066	20.867	ug/l	100
68) m/p-Xylenes	11.703	106	241649	41.834	ug/l	95
69) o-Xylene	12.032	106	114355	20.933	ug/l	98
70) Styrene	12.044	104	194036	21.243	ug/l	99
71) Bromoform	12.209	173	46214	20.387	ug/l #	98
73) Isopropylbenzene	12.331	105	306046	20.354	ug/l	98
74) N-amyl acetate	12.142	43	94016	17.570	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	66665	18.139	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	42483m	15.846	ug/l	
77) Bromobenzene	12.611	156	74759	20.519	ug/l	94
78) n-propylbenzene	12.672	91	376710	20.340	ug/l	98
79) 2-Chlorotoluene	12.757	91	211424	20.442	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	251784	20.516	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	22657	17.287	ug/l	93
82) 4-Chlorotoluene	12.855	91	219636	20.375	ug/l	97
83) tert-Butylbenzene	13.074	119	212811	20.015	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	252590	21.169	ug/l	100
85) sec-Butylbenzene	13.251	105	325998	20.429	ug/l	99
86) p-Isopropyltoluene	13.373	119	267958	20.881	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	144046	20.752	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	145006	20.681	ug/l	99
89) n-Butylbenzene	13.696	91	252808	20.185	ug/l	99
90) Hexachloroethane	13.958	117	55093	20.399	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	131254	20.940	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11519	17.746	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	76990	20.602	ug/l	98
94) Hexachlorobutadiene	15.111	225	49362	22.696	ug/l	99
95) Naphthalene	15.239	128	148558	18.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	68268	20.496	ug/l	98

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

