

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022723\
 Data File : VY012739.D
 Acq On : 27 Feb 2023 17:14
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 00:23:18 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	108525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	165824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57302	44.707	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.420%		
35) Dibromofluoromethane	7.716	113	54181	48.375	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.740%		
50) Toluene-d8	10.179	98	203129	48.409	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.820%		
62) 4-Bromofluorobenzene	12.483	95	65681	48.914	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48076	43.089	ug/l	97
3) Chloromethane	2.113	50	54930	40.598	ug/l	99
4) Vinyl Chloride	2.253	62	53438	43.346	ug/l	99
5) Bromomethane	2.650	94	32834	48.631	ug/l	96
6) Chloroethane	2.796	64	32856	41.867	ug/l	92
7) Trichlorofluoromethane	3.125	101	92251	46.422	ug/l	97
8) Diethyl Ether	3.534	74	33063	46.471	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	57211	48.175	ug/l	99
10) Methyl Iodide	4.088	142	73499	47.267	ug/l	98
11) Tert butyl alcohol	4.954	59	29199	208.257	ug/l	100
12) 1,1-Dichloroethene	3.875	96	53491	46.657	ug/l	98
13) Acrolein	3.729	56	36208	204.394	ug/l	99
14) Allyl chloride	4.479	41	99798	44.851	ug/l	98
15) Acrylonitrile	5.161	53	88050	232.620	ug/l	99
16) Acetone	3.942	43	99261	237.333	ug/l	95
17) Carbon Disulfide	4.192	76	160391	41.573	ug/l	99
18) Methyl Acetate	4.479	43	60871	45.180	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	146292	47.438	ug/l	99
20) Methylene Chloride	4.716	84	68401	52.727	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	58787	47.140	ug/l	96
22) Diisopropyl ether	6.119	45	194386	46.817	ug/l	98
23) Vinyl Acetate	6.058	43	594691	231.258	ug/l	99
24) 1,1-Dichloroethane	6.015	63	106775	46.377	ug/l	99
25) 2-Butanone	6.984	43	125481	226.053	ug/l	96
26) 2,2-Dichloropropane	6.984	77	93553	46.582	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	66364	48.637	ug/l	97
28) Bromochloromethane	7.332	49	43847	47.560	ug/l	90
29) Tetrahydrofuran	7.344	42	77834	229.670	ug/l	96
30) Chloroform	7.508	83	108681	48.717	ug/l	96
31) Cyclohexane	7.783	56	93536	42.005	ug/l	97
32) 1,1,1-Trichloroethane	7.697	97	96453	47.761	ug/l	99
36) 1,1-Dichloropropene	7.917	75	80990	45.619	ug/l	98
37) Ethyl Acetate	7.070	43	51179	42.723	ug/l	99
38) Carbon Tetrachloride	7.899	117	88051	47.966	ug/l	98
39) Methylcyclohexane	9.185	83	98188	47.945	ug/l	97
40) Benzene	8.161	78	239279	48.284	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	28340	48.573	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	72317	47.061	ug/l	100
43) Isopropyl Acetate	8.271	43	94265	45.537	ug/l	96
44) Trichloroethene	8.941	130	63978	49.934	ug/l	97
45) 1,2-Dichloropropane	9.216	63	61825	48.501	ug/l	96
46) Dibromomethane	9.307	93	34974	49.703	ug/l	97
47) Bromodichloromethane	9.496	83	84484	49.873	ug/l	97
48) Methyl methacrylate	9.289	41	44365	45.927	ug/l	97
49) 1,4-Dioxane	9.295	88	8880	827.689	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	261318	234.016	ug/l	97
52) Toluene	10.246	92	149167	50.802	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	87459	49.407	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	100048	49.948	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	49323	51.607	ug/l	95
56) Ethyl methacrylate	10.508	69	67028	51.353	ug/l	96
57) 1,3-Dichloropropane	10.788	76	84108	50.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	171304	248.062	ug/l	98
59) 2-Hexanone	10.831	43	190065	240.096	ug/l	97
60) Dibromochloromethane	10.983	129	60575	52.313	ug/l	98
61) 1,2-Dibromoethane	11.087	107	46851	51.166	ug/l	100
64) Tetrachloroethene	10.721	164	52552	48.485	ug/l	98
65) Chlorobenzene	11.514	112	158561	49.615	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	60252	50.873	ug/l	99
67) Ethyl Benzene	11.593	91	285882	50.045	ug/l	99
68) m/p-Xylenes	11.703	106	221624	101.702	ug/l	97
69) o-Xylene	12.032	106	103361	51.210	ug/l	100
70) Styrene	12.044	104	176015	52.030	ug/l	99
71) Bromoform	12.209	173	38507	50.952	ug/l #	99
73) Isopropylbenzene	12.331	105	276332	49.823	ug/l	98
74) N-amyl acetate	12.142	43	82812	45.421	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	60940	48.867	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	44697m	47.771	ug/l	
77) Bromobenzene	12.611	156	66063	49.711	ug/l	95
78) n-propylbenzene	12.672	91	341183	49.180	ug/l	100
79) 2-Chlorotoluene	12.758	91	186564	48.407	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	227791	49.168	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21491	48.660	ug/l	93
82) 4-Chlorotoluene	12.855	91	195749	48.971	ug/l	100
83) tert-Butylbenzene	13.075	119	197644	49.959	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	222674	49.166	ug/l	99
85) sec-Butylbenzene	13.257	105	299382	49.738	ug/l	100
86) p-Isopropyltoluene	13.373	119	247211	49.869	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	127661	49.045	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	127507	48.306	ug/l	100
89) n-Butylbenzene	13.696	91	234078	49.306	ug/l	100
90) Hexachloroethane	13.959	117	48818	48.527	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	115321	49.608	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9392	45.817	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	67293	45.771	ug/l	99
94) Hexachlorobutadiene	15.111	225	39229	44.211	ug/l	98
95) Naphthalene	15.239	128	137235	46.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	58645	45.065	ug/l	99

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

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