

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011687.D
 Acq On : 05 Dec 2022 10:09
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/06/2022
 Supervised By :Mahesh Dadoda 12/06/2022

Quant Time: Dec 06 00:34:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	179208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	247385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94447	51.903	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.800%			
35) Dibromofluoromethane	7.715	113	93081	55.842	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.680%			
50) Toluene-d8	10.185	98	317291	52.382	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.760%			
62) 4-Bromofluorobenzene	12.483	95	124201	55.458	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	50225	52.473	ug/l	97
3) Chloromethane	2.119	50	71457	46.597	ug/l	90
4) Vinyl Chloride	2.253	62	80605	39.766	ug/l	99
5) Bromomethane	2.649	94	55913	42.621	ug/l	97
6) Chloroethane	2.796	64	57241	40.475	ug/l	100
7) Trichlorofluoromethane	3.131	101	148508	49.949	ug/l	96
8) Diethyl Ether	3.533	74	48799	50.783	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.905	101	88882	51.698	ug/l	96
10) Methyl Iodide	4.094	142	99684	49.766	ug/l	97
11) Tert butyl alcohol	4.948	59	48426	245.090	ug/l	98
12) 1,1-Dichloroethene	3.875	96	78485	49.836	ug/l	90
13) Acrolein	3.734	56	9002	187.619	ug/l	99
14) Allyl chloride	4.484	41	136263	49.288	ug/l #	92
15) Acrylonitrile	5.161	53	137762	262.478	ug/l	98
16) Acetone	3.948	43	148460	251.175	ug/l	91
17) Carbon Disulfide	4.198	76	202804	46.464	ug/l	99
18) Methyl Acetate	4.478	43	66864	48.877	ug/l	93
19) Methyl tert-butyl Ether	5.228	73	244691	54.441	ug/l	98
20) Methylene Chloride	4.716	84	110527	49.937	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	93137	51.177	ug/l	87
22) Diisopropyl ether	6.118	45	315016	52.201	ug/l	95
23) Vinyl Acetate	6.063	43	938011	266.838	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	180473	50.935	ug/l	99
25) 2-Butanone	6.984	43	191323	246.301	ug/l	91
26) 2,2-Dichloropropane	6.984	77	170835	52.240	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	111660	52.116	ug/l	93
28) Bromochloromethane	7.337	49	71835	50.466	ug/l	91
29) Tetrahydrofuran	7.350	42	110762	252.490	ug/l	91
30) Chloroform	7.508	83	192258	52.322	ug/l	98
31) Cyclohexane	7.789	56	142149	47.129	ug/l	97
32) 1,1,1-Trichloroethane	7.703	97	173548	52.797	ug/l	97
36) 1,1-Dichloropropene	7.917	75	135675	52.072	ug/l	99
37) Ethyl Acetate	7.075	43	74969	50.529	ug/l	96
38) Carbon Tetrachloride	7.898	117	158288	54.300	ug/l	97
39) Methylcyclohexane	9.185	83	150385	51.720	ug/l	93
40) Benzene	8.161	78	397144	52.326	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	37993	50.646	ug/l #	51
42) 1,2-Dichloroethane	8.240	62	123061	52.427	ug/l	94
43) Isopropyl Acetate	8.276	43	136393	50.959	ug/l #	91
44) Trichloroethene	8.941	130	105950	51.883	ug/l	94
45) 1,2-Dichloropropane	9.215	63	101456	52.297	ug/l	96
46) Dibromomethane	9.307	93	56611	52.189	ug/l	97
47) Bromodichloromethane	9.496	83	147793	54.091	ug/l	98
48) Methyl methacrylate	9.294	41	62073	52.212	ug/l #	87
49) 1,4-Dioxane	9.294	88	14851	1105.521	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	389239	261.605	ug/l	93
52) Toluene	10.246	92	253631	52.845	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	144343	52.849	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	164578	53.564	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	82833	53.375	ug/l	96
56) Ethyl methacrylate	10.514	69	107396	55.643	ug/l #	84
57) 1,3-Dichloropropane	10.794	76	138583	52.728	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	254965	269.728	ug/l	96
59) 2-Hexanone	10.837	43	279752	263.435	ug/l	91
60) Dibromochloromethane	10.989	129	103529	54.436	ug/l	100
61) 1,2-Dibromoethane	11.093	107	74858	52.846	ug/l	100
64) Tetrachloroethene	10.721	164	107813	52.886	ug/l	98
65) Chlorobenzene	11.520	112	270917	52.298	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	107592	54.799	ug/l	99
67) Ethyl Benzene	11.593	91	498554	53.301	ug/l	99
68) m/p-Xylenes	11.703	106	384030	107.856	ug/l	97
69) o-Xylene	12.032	106	182966	55.193	ug/l	95
70) Styrene	12.044	104	313712	55.440	ug/l	98
71) Bromoform	12.209	173	64343	53.867	ug/l #	100
73) Isopropylbenzene	12.331	105	500932	54.700	ug/l	99
74) N-amyl acetate	12.148	43	118156	52.248	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	90538	50.172	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	65822m	48.269	ug/l	
77) Bromobenzene	12.611	156	113187	52.932	ug/l	96
78) n-propylbenzene	12.672	91	602184	53.899	ug/l	99
79) 2-Chlorotoluene	12.757	91	333925	53.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	423807	54.901	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	33248	53.404	ug/l	91
82) 4-Chlorotoluene	12.855	91	346825	52.673	ug/l	99
83) tert-Butylbenzene	13.080	119	373139	55.494	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	419719	55.050	ug/l	100
85) sec-Butylbenzene	13.257	105	547845	54.607	ug/l	100
86) p-Isopropyltoluene	13.373	119	462372	55.223	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	229297	52.676	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	223650	51.383	ug/l	99
89) n-Butylbenzene	13.702	91	426895	55.464	ug/l	100
90) Hexachloroethane	13.964	117	89721	53.065	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	202235	52.412	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15839	53.520	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	119721	55.939	ug/l	97
94) Hexachlorobutadiene	15.117	225	77350	58.142	ug/l	98
95) Naphthalene	15.239	128	236808	52.556	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	105319	57.421	ug/l	99

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

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