

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022223\
 Data File : VY012694.D
 Acq On : 22 Feb 2023 21:10
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 21:44:37 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	109630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	154781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65858	50.864	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.722	113	59311	50.759	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.520%			
50) Toluene-d8	10.179	98	218243	49.854	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.700%			
62) 4-Bromofluorobenzene	12.483	95	71714	51.193	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	46214	41.002	ug/l	100
3) Chloromethane	2.113	50	58062	42.665	ug/l	99
4) Vinyl Chloride	2.253	62	55302	44.406	ug/l	98
5) Bromomethane	2.649	94	33974	49.812	ug/l	95
6) Chloroethane	2.796	64	35387	44.637	ug/l	99
7) Trichlorofluoromethane	3.131	101	89182	44.425	ug/l	98
8) Diethyl Ether	3.533	74	35583	49.509	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	53792	44.839	ug/l	99
10) Methyl Iodide	4.094	142	69386	44.172	ug/l	98
11) Tert butyl alcohol	4.954	59	33120	233.842	ug/l	99
12) 1,1-Dichloroethene	3.875	96	52755	45.551	ug/l	93
13) Acrolein	3.729	56	60291	336.913	ug/l	98
14) Allyl chloride	4.478	41	105536	46.952	ug/l	99
15) Acrylonitrile	5.161	53	104046	272.109	ug/l	99
16) Acetone	3.948	43	92976	220.065	ug/l	99
17) Carbon Disulfide	4.198	76	162494	41.693	ug/l	99
18) Methyl Acetate	4.472	43	72220	53.064	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	163267	52.408	ug/l	97
20) Methylene Chloride	4.716	84	72185	55.387	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	60010	47.636	ug/l	96
22) Diisopropyl ether	6.124	45	217523	51.861	ug/l	98
23) Vinyl Acetate	6.057	43	693265	266.873	ug/l	100
24) 1,1-Dichloroethane	6.015	63	113845	48.949	ug/l	100
25) 2-Butanone	6.984	43	144766	258.166	ug/l	100
26) 2,2-Dichloropropane	6.978	77	92643	45.664	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	67843	49.220	ug/l	99
28) Bromochloromethane	7.338	49	51879	55.705	ug/l	99
29) Tetrahydrofuran	7.350	42	96756	282.626	ug/l	99
30) Chloroform	7.508	83	111179	49.335	ug/l	96
31) Cyclohexane	7.789	56	95354	42.390	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	96154	47.133	ug/l	100
36) 1,1-Dichloropropene	7.917	75	83678	45.179	ug/l	100
37) Ethyl Acetate	7.076	43	63442	50.764	ug/l	99
38) Carbon Tetrachloride	7.899	117	88040	45.972	ug/l	99
39) Methylcyclohexane	9.185	83	96354	45.098	ug/l	98
40) Benzene	8.161	78	245465	47.479	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27236m	44.746	ug/l	
42) 1,2-Dichloroethane	8.240	62	78855	49.188	ug/l	99
43) Isopropyl Acetate	8.270	43	113137	52.387	ug/l	99
44) Trichloroethene	8.941	130	61843	46.266	ug/l	98
45) 1,2-Dichloropropane	9.215	63	65582	49.315	ug/l	100
46) Dibromomethane	9.307	93	37238	50.726	ug/l	99
47) Bromodichloromethane	9.496	83	86551	48.974	ug/l	99
48) Methyl methacrylate	9.289	41	53934	53.518	ug/l	97
49) 1,4-Dioxane	9.301	88	8771	784.532	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	321171	275.691	ug/l	100
52) Toluene	10.246	92	147408	48.121	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	92965	50.340	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	102172	48.893	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	51423	51.573	ug/l	93
56) Ethyl methacrylate	10.508	69	73678	54.107	ug/l	100
57) 1,3-Dichloropropane	10.788	76	89536	51.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	192237	267.201	ug/l	100
59) 2-Hexanone	10.831	43	221899	268.687	ug/l	98
60) Dibromochloromethane	10.983	129	60937	50.443	ug/l	100
61) 1,2-Dibromoethane	11.087	107	48114	50.366	ug/l	100
64) Tetrachloroethene	10.721	164	51217	45.498	ug/l	98
65) Chlorobenzene	11.514	112	159215	47.969	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	60317	49.036	ug/l	100
67) Ethyl Benzene	11.593	91	282561	47.626	ug/l	99
68) m/p-Xylenes	11.703	106	216325	95.582	ug/l	98
69) o-Xylene	12.032	106	102174	48.741	ug/l	99
70) Styrene	12.044	104	175870	50.056	ug/l	98
71) Bromoform	12.209	173	39678	50.551	ug/l #	99
73) Isopropylbenzene	12.331	105	267088	48.339	ug/l	99
74) N-amyl acetate	12.142	43	97487	53.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	64747	52.118	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	50364m	54.032	ug/l	
77) Bromobenzene	12.611	156	64753	48.910	ug/l	99
78) n-propylbenzene	12.672	91	329517	47.679	ug/l	99
79) 2-Chlorotoluene	12.757	91	183802	47.872	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	219773	47.617	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	23171	52.663	ug/l	95
82) 4-Chlorotoluene	12.855	91	191469	48.082	ug/l	100
83) tert-Butylbenzene	13.074	119	189482	48.078	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	216886	48.070	ug/l	100
85) sec-Butylbenzene	13.251	105	285110	47.547	ug/l	99
86) p-Isopropyltoluene	13.367	119	232421	47.064	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	122851	47.376	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	123183	46.845	ug/l	99
89) n-Butylbenzene	13.696	91	218794	46.262	ug/l	100
90) Hexachloroethane	13.965	117	46269	46.168	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	111712	48.238	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10426	51.055	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	65512	44.728	ug/l	99
94) Hexachlorobutadiene	15.111	225	37482	42.403	ug/l	99
95) Naphthalene	15.239	128	147626	49.882	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	59415	45.830	ug/l	97

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

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