

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021723\
 Data File : VY012639.D
 Acq On : 17 Feb 2023 10:06
 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 02/18/2023
 Supervised By :Mahesh Dadoda 02/20/2023

Quant Time: Feb 17 11:44:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	124743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	180108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	163421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81432	51.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.716	113	72741	55.458	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.920%			
50) Toluene-d8	10.179	98	289864	53.094	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.180%			
62) 4-Bromofluorobenzene	12.483	95	100253	52.646	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	39397	44.296	ug/l	99
3) Chloromethane	2.113	50	42779	44.015	ug/l	97
4) Vinyl Chloride	2.253	62	55732	46.026	ug/l	98
5) Bromomethane	2.650	94	44444	50.296	ug/l	98
6) Chloroethane	2.790	64	40861	48.480	ug/l	97
7) Trichlorofluoromethane	3.125	101	124616	50.069	ug/l	95
8) Diethyl Ether	3.527	74	37018	50.159	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	62922	50.064	ug/l	98
10) Methyl Iodide	4.088	142	78563	48.218	ug/l	99
11) Tert butyl alcohol	4.948	59	35601	231.788	ug/l	98
12) 1,1-Dichloroethene	3.869	96	60244	48.512	ug/l	96
13) Acrolein	3.729	56	43733	234.518	ug/l	99
14) Allyl chloride	4.478	41	71891	47.480	ug/l	97
15) Acrylonitrile	5.155	53	86513	254.088	ug/l	99
16) Acetone	3.942	43	102768	269.175	ug/l	98
17) Carbon Disulfide	4.192	76	130356	40.470	ug/l	98
18) Methyl Acetate	4.472	43	42077	45.852	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	197074	54.233	ug/l	100
20) Methylene Chloride	4.710	84	71735	50.322	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	66703	49.251	ug/l	94
22) Diisopropyl ether	6.112	45	158637	51.526	ug/l	96
23) Vinyl Acetate	6.057	43	481858	259.618	ug/l	98
24) 1,1-Dichloroethane	6.015	63	110470	50.192	ug/l	99
25) 2-Butanone	6.978	43	106245	250.816	ug/l	95
26) 2,2-Dichloropropane	6.978	77	126719	52.403	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	82119	52.248	ug/l	98
28) Bromochloromethane	7.332	49	42470	53.084	ug/l	96
29) Tetrahydrofuran	7.344	42	54922	239.830	ug/l	94
30) Chloroform	7.502	83	138000	52.005	ug/l	100
31) Cyclohexane	7.783	56	80426	43.853	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	136091	52.851	ug/l	99
36) 1,1-Dichloropropene	7.917	75	89465	50.397	ug/l	98
37) Ethyl Acetate	7.069	43	38036	47.484	ug/l	97
38) Carbon Tetrachloride	7.899	117	128852	54.072	ug/l	98
39) Methylcyclohexane	9.179	83	105302	49.296	ug/l	97
40) Benzene	8.155	78	269454	51.391	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	24360m	55.509	ug/l	
42) 1,2-Dichloroethane	8.234	62	92594	54.485	ug/l	99
43) Isopropyl Acetate	8.270	43	77973	52.501	ug/l	100
44) Trichloroethene	8.935	130	83999	52.628	ug/l	98
45) 1,2-Dichloropropane	9.215	63	58801	51.720	ug/l	99
46) Dibromomethane	9.301	93	39696	52.731	ug/l	99
47) Bromodichloromethane	9.496	83	105773	54.190	ug/l	98
48) Methyl methacrylate	9.289	41	35447	52.215	ug/l	97
49) 1,4-Dioxane	9.295	88	11840	1139.334	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	210261	262.402	ug/l	99
52) Toluene	10.240	92	185653	52.214	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	107382	54.596	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	112910	53.048	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	59698	54.272	ug/l	98
56) Ethyl methacrylate	10.508	69	75590	54.697	ug/l	98
57) 1,3-Dichloropropane	10.788	76	94600	53.288	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	170811	274.983	ug/l	97
59) 2-Hexanone	10.831	43	159815	263.918	ug/l	99
60) Dibromochloromethane	10.983	129	82865	56.514	ug/l	100
61) 1,2-Dibromoethane	11.087	107	55002	53.366	ug/l	98
64) Tetrachloroethene	10.715	164	99245	58.170	ug/l	97
65) Chlorobenzene	11.514	112	213074	54.972	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	86145	56.715	ug/l	98
67) Ethyl Benzene	11.593	91	368410	54.140	ug/l	99
68) m/p-Xylenes	11.703	106	296739	109.248	ug/l	100
69) o-Xylene	12.026	106	146049	56.461	ug/l	99
70) Styrene	12.044	104	247560	56.431	ug/l	99
71) Bromoform	12.209	173	54251	56.507	ug/l #	97
73) Isopropylbenzene	12.331	105	391961	52.093	ug/l	99
74) N-amyl acetate	12.142	43	69465	51.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	59337	48.771	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	53196m	51.198	ug/l	
77) Bromobenzene	12.605	156	95841	52.553	ug/l	96
78) n-propylbenzene	12.672	91	446554	51.563	ug/l	99
79) 2-Chlorotoluene	12.757	91	252276	51.314	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	338868	52.317	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	23049	50.024	ug/l	99
82) 4-Chlorotoluene	12.855	91	266647	51.703	ug/l	100
83) tert-Butylbenzene	13.074	119	302948	53.336	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	335116	52.581	ug/l	100
85) sec-Butylbenzene	13.251	105	427535	52.614	ug/l	99
86) p-Isopropyltoluene	13.367	119	379549	53.842	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	192261	52.985	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	190090	52.299	ug/l	99
89) n-Butylbenzene	13.696	91	319340	53.004	ug/l	100
90) Hexachloroethane	13.958	117	65804	50.857	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	171610	52.572	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12775	52.765	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	112818	55.779	ug/l	100
94) Hexachlorobutadiene	15.111	225	68355	54.402	ug/l	100
95) Naphthalene	15.239	128	220452	56.778	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	96318	55.015	ug/l	99

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

