

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013257.D
 Acq On : 11 Apr 2023 20:53
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/12/2023
 Supervised By :Mahesh Dadoda 04/12/2023

Quant Time: Apr 12 15:25:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 15:18:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	91001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	145133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	131621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51931	50.746	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.716	113	43689	50.360	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.720%			
50) Toluene-d8	10.179	98	155368	51.152	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.477	95	55609	51.270	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	26667	41.948	ug/l	99
3) Chloromethane	2.107	50	30368	43.220	ug/l	96
4) Vinyl Chloride	2.247	62	31511	40.424	ug/l	98
5) Bromomethane	2.650	94	25723	49.153	ug/l	90
6) Chloroethane	2.790	64	23440	41.120	ug/l	97
7) Trichlorofluoromethane	3.125	101	58531	46.376	ug/l	100
8) Diethyl Ether	3.527	74	23528	49.119	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	36595	47.550	ug/l	97
10) Methyl Iodide	4.088	142	37134	40.034	ug/l	96
11) Tert butyl alcohol	4.978	59	25108	141.650	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	31192	46.523	ug/l	89
13) Acrolein	3.729	56	21144	210.303	ug/l	97
14) Allyl chloride	4.472	41	69653	48.892	ug/l	94
15) Acrylonitrile	5.155	53	81442	247.325	ug/l	99
16) Acetone	3.948	43	80154	192.474	ug/l	98
17) Carbon Disulfide	4.192	76	64007	43.704	ug/l	100
18) Methyl Acetate	4.472	43	61237	49.527	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	129974	50.897	ug/l	100
20) Methylene Chloride	4.710	84	49174	50.114	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	36757	46.734	ug/l	97
22) Diisopropyl ether	6.112	45	165750	52.536	ug/l	91
23) Vinyl Acetate	6.058	43	512603	258.810	ug/l	97
24) 1,1-Dichloroethane	6.015	63	81942	50.315	ug/l	96
25) 2-Butanone	6.984	43	119388	221.820	ug/l	96
26) 2,2-Dichloropropane	6.978	77	71008	46.178	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	47970	50.552	ug/l	94
28) Bromochloromethane	7.332	49	40946	53.255	ug/l	95
29) Tetrahydrofuran	7.350	42	77205	245.983	ug/l	97
30) Chloroform	7.502	83	86818	51.089	ug/l	98
31) Cyclohexane	7.783	56	55845	42.924	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	72792	48.888	ug/l	97
36) 1,1-Dichloropropene	7.917	75	56168	47.077	ug/l	99
37) Ethyl Acetate	7.070	43	57858	52.387	ug/l #	95
38) Carbon Tetrachloride	7.899	117	66258	47.695	ug/l	97
39) Methylcyclohexane	9.185	83	57878	46.162	ug/l	95
40) Benzene	8.161	78	173819	49.454	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27990	50.423	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	62322	48.267	ug/l	96
43) Isopropyl Acetate	8.271	43	98330	50.967	ug/l	96
44) Trichloroethene	8.935	130	44162	48.141	ug/l	89
45) 1,2-Dichloropropane	9.209	63	50485	52.746	ug/l	96
46) Dibromomethane	9.301	93	29145	50.028	ug/l	98
47) Bromodichloromethane	9.496	83	70333	49.998	ug/l	99
48) Methyl methacrylate	9.289	41	43325	51.140	ug/l	93
49) 1,4-Dioxane	9.301	88	8992	1085.093	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	283709	259.320	ug/l	96
52) Toluene	10.240	92	109446	49.660	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	74844	50.776	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	79006	49.980	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	42066	51.055	ug/l	99
56) Ethyl methacrylate	10.508	69	61355	53.296	ug/l	93
57) 1,3-Dichloropropane	10.788	76	70061	50.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	134539	257.668	ug/l	97
59) 2-Hexanone	10.831	43	204142	253.019	ug/l	96
60) Dibromochloromethane	10.983	129	53045	51.737	ug/l	100
61) 1,2-Dibromoethane	11.087	107	39703	50.480	ug/l	100
64) Tetrachloroethene	10.715	164	39653	48.795	ug/l	95
65) Chlorobenzene	11.514	112	124959	49.817	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	50624	50.744	ug/l	99
67) Ethyl Benzene	11.587	91	220774	50.707	ug/l	99
68) m/p-Xylenes	11.697	106	169400	102.251	ug/l	98
69) o-Xylene	12.026	106	80702	51.248	ug/l	99
70) Styrene	12.044	104	141393	52.652	ug/l	97
71) Bromoform	12.209	173	36771	51.362	ug/l #	97
73) Isopropylbenzene	12.331	105	218223	51.926	ug/l	99
74) N-amyl acetate	12.142	43	87076	54.168	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	58076	51.698	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	42161m	51.738	ug/l	
77) Bromobenzene	12.605	156	54003	50.504	ug/l	97
78) n-propylbenzene	12.672	91	267791	51.766	ug/l	100
79) 2-Chlorotoluene	12.758	91	152227	51.679	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	182487	52.501	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	20160	51.019	ug/l	95
82) 4-Chlorotoluene	12.855	91	159979	52.011	ug/l	98
83) tert-Butylbenzene	13.075	119	162553	52.312	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	181249	52.446	ug/l	98
85) sec-Butylbenzene	13.251	105	238004	52.117	ug/l	99
86) p-Isopropyltoluene	13.367	119	195899	51.176	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	104080	49.707	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	105201	49.271	ug/l	99
89) n-Butylbenzene	13.696	91	186291	51.919	ug/l	97
90) Hexachloroethane	13.959	117	39400	48.548	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	97034	50.297	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10515	49.119	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	57298	48.134	ug/l	97
94) Hexachlorobutadiene	15.111	225	32743	46.583	ug/l	98
95) Naphthalene	15.233	128	136970	51.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53810	48.428	ug/l	99

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

