

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012948.D
 Acq On : 14 Mar 2023 17:43
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/15/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 01:45:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	100356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	154143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	139832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45404	45.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.140%		
35) Dibromofluoromethane	7.716	113	44717	48.070	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.140%		
50) Toluene-d8	10.179	98	151229	44.468	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.940%		
62) 4-Bromofluorobenzene	12.483	95	54823	47.761	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44848	45.340	ug/l	99
3) Chloromethane	2.113	50	53453	45.202	ug/l	98
4) Vinyl Chloride	2.253	62	52592	48.500	ug/l	97
5) Bromomethane	2.650	94	33612	51.012	ug/l	91
6) Chloroethane	2.796	64	33408	51.443	ug/l	100
7) Trichlorofluoromethane	3.125	101	92944	51.606	ug/l	99
8) Diethyl Ether	3.528	74	33065	52.390	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	55544	51.261	ug/l	99
10) Methyl Iodide	4.088	142	71594	50.709	ug/l	98
11) Tert butyl alcohol	4.948	59	32274	284.425	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	53520	51.788	ug/l	95
13) Acrolein	3.729	56	31219	178.834	ug/l	99
14) Allyl chloride	4.479	41	88172	46.188	ug/l	94
15) Acrylonitrile	5.161	53	90278	271.474	ug/l	99
16) Acetone	3.948	43	107607	275.142	ug/l	96
17) Carbon Disulfide	4.192	76	162228	46.118	ug/l	100
18) Methyl Acetate	4.479	43	59310	50.924	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	148859	55.766	ug/l	99
20) Methylene Chloride	4.710	84	65414	55.390	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	58672	52.244	ug/l	98
22) Diisopropyl ether	6.119	45	192038	55.386	ug/l	95
23) Vinyl Acetate	6.058	43	600461	278.721	ug/l	99
24) 1,1-Dichloroethane	6.015	63	105881	53.590	ug/l	99
25) 2-Butanone	6.984	43	132400	273.325	ug/l	99
26) 2,2-Dichloropropane	6.984	77	94257	53.715	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	66213	54.992	ug/l	99
28) Bromochloromethane	7.332	49	38391	53.172	ug/l	98
29) Tetrahydrofuran	7.344	42	79689	272.763	ug/l	97
30) Chloroform	7.502	83	109494	56.106	ug/l	97
31) Cyclohexane	7.783	56	89956	47.139	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	95785	54.274	ug/l	99
36) 1,1-Dichloropropene	7.917	75	81327	52.170	ug/l	100
37) Ethyl Acetate	7.070	43	53267	54.213	ug/l	98
38) Carbon Tetrachloride	7.899	117	88905	55.227	ug/l	99
39) Methylcyclohexane	9.185	83	95002	51.260	ug/l	99
40) Benzene	8.161	78	237991	53.970	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24212m	45.737	ug/l	
42) 1,2-Dichloroethane	8.234	62	74124	55.911	ug/l	100
43) Isopropyl Acetate	8.271	43	96596	55.104	ug/l	99
44) Trichloroethene	8.941	130	62709	53.937	ug/l	98
45) 1,2-Dichloropropane	9.216	63	60809	54.564	ug/l	97
46) Dibromomethane	9.301	93	35797	56.382	ug/l	98
47) Bromodichloromethane	9.496	83	84339	56.370	ug/l	99
48) Methyl methacrylate	9.289	41	43630	54.016	ug/l	94
49) 1,4-Dioxane	9.295	88	9953	1212.643	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	270482	284.453	ug/l	99
52) Toluene	10.246	92	147805	55.578	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	88770	56.565	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	99388	55.953	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	50401	57.002	ug/l	97
56) Ethyl methacrylate	10.508	69	68476	58.081	ug/l	98
57) 1,3-Dichloropropane	10.788	76	84421	56.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	174358	281.716	ug/l	100
59) 2-Hexanone	10.831	43	196868	284.867	ug/l	100
60) Dibromochloromethane	10.984	129	62678	58.234	ug/l	100
61) 1,2-Dibromoethane	11.087	107	47673	55.971	ug/l	100
64) Tetrachloroethene	10.721	164	54882	53.907	ug/l	96
65) Chlorobenzene	11.514	112	159066	54.201	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	60308	55.535	ug/l	100
67) Ethyl Benzene	11.593	91	284528	55.144	ug/l	98
68) m/p-Xylenes	11.703	106	218102	109.879	ug/l	100
69) o-Xylene	12.032	106	104218	56.258	ug/l	96
70) Styrene	12.044	104	176150	56.980	ug/l	99
71) Bromoform	12.209	173	40122	56.666	ug/l #	98
73) Isopropylbenzene	12.331	105	273118	54.124	ug/l	100
74) N-amyl acetate	12.142	43	83477	52.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	61260	54.005	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	48333m	56.845	ug/l	
77) Bromobenzene	12.611	156	65937	53.788	ug/l	99
78) n-propylbenzene	12.672	91	333879	53.667	ug/l	100
79) 2-Chlorotoluene	12.758	91	187056	54.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	225486	54.146	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21359	52.050	ug/l	98
82) 4-Chlorotoluene	12.855	91	188478	52.658	ug/l	100
83) tert-Butylbenzene	13.075	119	197955	55.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	223547	54.897	ug/l	99
85) sec-Butylbenzene	13.258	105	294927	53.785	ug/l	99
86) p-Isopropyltoluene	13.373	119	244145	54.478	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	127757	54.036	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	126821	52.557	ug/l	99
89) n-Butylbenzene	13.697	91	228056	53.156	ug/l	100
90) Hexachloroethane	13.965	117	49208	52.718	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	115650	54.112	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9699	52.906	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	66350	50.421	ug/l	99
94) Hexachlorobutadiene	15.111	225	39901	49.714	ug/l	99
95) Naphthalene	15.239	128	140295	53.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	59047	50.453	ug/l	99

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

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