

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031023\
 Data File : VY012918.D
 Acq On : 10 Mar 2023 16:58
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 11 05:49:09 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	99828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	149925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	133210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	46509	46.924	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.840%		
35) Dibromofluoromethane	7.716	113	46921	51.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.720%		
50) Toluene-d8	10.179	98	162470	49.118	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.240%		
62) 4-Bromofluorobenzene	12.483	95	56612	50.707	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	50224	51.043	ug/l	97
3) Chloromethane	2.119	50	57149	48.583	ug/l	99
4) Vinyl Chloride	2.253	62	58267	54.017	ug/l	97
5) Bromomethane	2.656	94	34488	52.619	ug/l	92
6) Chloroethane	2.796	64	35127	54.376	ug/l	98
7) Trichlorofluoromethane	3.131	101	99276	55.414	ug/l	99
8) Diethyl Ether	3.534	74	32599	51.924	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	60249	55.897	ug/l	99
10) Methyl Iodide	4.095	142	77953	55.505	ug/l	98
11) Tert butyl alcohol	4.948	59	25841	224.660	ug/l	100
12) 1,1-Dichloroethene	3.875	96	56387	54.851	ug/l	98
13) Acrolein	3.729	56	27880	160.552	ug/l	99
14) Allyl chloride	4.485	41	103380	54.441	ug/l	98
15) Acrylonitrile	5.161	53	84943	256.782	ug/l	99
16) Acetone	3.948	43	98183	252.373	ug/l	100
17) Carbon Disulfide	4.198	76	177099	50.612	ug/l	99
18) Methyl Acetate	4.479	43	55205	47.650	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	148841	56.054	ug/l	98
20) Methylene Chloride	4.716	84	68087	58.238	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	64106	57.384	ug/l	99
22) Diisopropyl ether	6.119	45	204911	59.412	ug/l	97
23) Vinyl Acetate	6.058	43	612245	285.694	ug/l	99
24) 1,1-Dichloroethane	6.015	63	115805	58.923	ug/l	99
25) 2-Butanone	6.984	43	123037	255.339	ug/l	97
26) 2,2-Dichloropropane	6.978	77	102942	58.974	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	70118	58.543	ug/l	98
28) Bromochloromethane	7.332	49	39672	55.236	ug/l	98
29) Tetrahydrofuran	7.344	42	73278	252.145	ug/l	99
30) Chloroform	7.502	83	117596	60.576	ug/l	99
31) Cyclohexane	7.783	56	97197	51.203	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	99937	56.926	ug/l	99
36) 1,1-Dichloropropene	7.917	75	86698	57.180	ug/l	99
37) Ethyl Acetate	7.070	43	50714	53.067	ug/l	97
38) Carbon Tetrachloride	7.899	117	92882	59.321	ug/l	99
39) Methylcyclohexane	9.185	83	102270	56.734	ug/l	96
40) Benzene	8.161	78	246644	57.506	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	30989m	60.186	ug/l	
42) 1,2-Dichloroethane	8.234	62	73022	56.629	ug/l	100
43) Isopropyl Acetate	8.271	43	87758	51.470	ug/l	98
44) Trichloroethene	8.941	130	65001	57.482	ug/l	98
45) 1,2-Dichloropropane	9.216	63	62138	57.326	ug/l	98
46) Dibromomethane	9.307	93	34443	55.775	ug/l	99
47) Bromodichloromethane	9.496	83	84002	57.724	ug/l	95
48) Methyl methacrylate	9.295	41	40143	51.097	ug/l	97
49) 1,4-Dioxane	9.301	88	8316	1041.701	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	235793	254.949	ug/l	99
52) Toluene	10.246	92	153639	59.397	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	87890	57.580	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	99465	57.572	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	47757	55.531	ug/l	99
56) Ethyl methacrylate	10.514	69	63364	55.257	ug/l	99
57) 1,3-Dichloropropane	10.788	76	82176	56.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	154922	257.355	ug/l	100
59) 2-Hexanone	10.831	43	172743	256.991	ug/l	99
60) Dibromochloromethane	10.984	129	60660	57.945	ug/l	99
61) 1,2-Dibromoethane	11.093	107	45539	54.970	ug/l	100
64) Tetrachloroethene	10.721	164	56052	57.794	ug/l	98
65) Chlorobenzene	11.520	112	160138	57.279	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	62088	60.016	ug/l	97
67) Ethyl Benzene	11.593	91	293231	59.656	ug/l	100
68) m/p-Xylenes	11.703	106	226153	119.599	ug/l	99
69) o-Xylene	12.032	106	105233	59.630	ug/l	100
70) Styrene	12.044	104	178911	60.750	ug/l	99
71) Bromoform	12.209	173	37471	55.553	ug/l #	97
73) Isopropylbenzene	12.331	105	287773	58.726	ug/l	99
74) N-amyl acetate	12.148	43	77216	50.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	57405	52.113	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	36029m	43.635	ug/l	
77) Bromobenzene	12.611	156	66865	56.168	ug/l	96
78) n-propylbenzene	12.672	91	352393	58.328	ug/l	99
79) 2-Chlorotoluene	12.758	91	193119	57.514	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	234883	58.082	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	19909	49.961	ug/l	97
82) 4-Chlorotoluene	12.855	91	197852	56.922	ug/l	99
83) tert-Butylbenzene	13.081	119	211676	60.644	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	232634	58.828	ug/l	99
85) sec-Butylbenzene	13.258	105	313245	58.826	ug/l	99
86) p-Isopropyltoluene	13.373	119	256245	58.879	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	131003	57.058	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	130555	55.715	ug/l	99
89) n-Butylbenzene	13.696	91	243314	58.401	ug/l	99
90) Hexachloroethane	13.965	117	51900	57.257	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	115998	55.890	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8924	50.127	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	69967	54.753	ug/l	98
94) Hexachlorobutadiene	15.117	225	43564	55.894	ug/l	99
95) Naphthalene	15.239	128	134291	52.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	61071	53.736	ug/l	98

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

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