

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012860.D
 Acq On : 08 Mar 2023 10:27
 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 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 00:31:47 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	102732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	151341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	138704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44173	43.307	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.620%		
35) Dibromofluoromethane	7.722	113	43882	48.046	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.100%		
50) Toluene-d8	10.179	98	153064	45.841	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.680%		
62) 4-Bromofluorobenzene	12.483	95	54110	48.013	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44767	44.211	ug/l	99
3) Chloromethane	2.113	50	52567	43.425	ug/l	97
4) Vinyl Chloride	2.253	62	51605	46.489	ug/l	99
5) Bromomethane	2.656	94	33404	49.524	ug/l	95
6) Chloroethane	2.796	64	33563	50.486	ug/l	97
7) Trichlorofluoromethane	3.131	101	89276	48.423	ug/l	99
8) Diethyl Ether	3.528	74	30722	47.551	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	53275	48.029	ug/l	97
10) Methyl Iodide	4.095	142	70787	48.978	ug/l	98
11) Tert butyl alcohol	4.948	59	26651	225.200	ug/l	99
12) 1,1-Dichloroethene	3.881	96	50772	47.993	ug/l	96
13) Acrolein	3.735	56	35886	200.814	ug/l	98
14) Allyl chloride	4.485	41	87145	44.595	ug/l	97
15) Acrylonitrile	5.168	53	82114	241.213	ug/l	99
16) Acetone	3.948	43	101011	252.303	ug/l	100
17) Carbon Disulfide	4.198	76	166092	46.125	ug/l	99
18) Methyl Acetate	4.479	43	54647	45.835	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	134704	49.296	ug/l	100
20) Methylene Chloride	4.716	84	61211	50.116	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	57105	49.672	ug/l	96
22) Diisopropyl ether	6.119	45	171468	48.310	ug/l	95
23) Vinyl Acetate	6.058	43	536481	243.264	ug/l	99
24) 1,1-Dichloroethane	6.021	63	96838	47.880	ug/l	100
25) 2-Butanone	6.984	43	120268	242.537	ug/l	98
26) 2,2-Dichloropropane	6.984	77	87176	48.530	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	62334	50.573	ug/l	97
28) Bromochloromethane	7.338	49	35640	48.220	ug/l	94
29) Tetrahydrofuran	7.350	42	72806	243.440	ug/l	97
30) Chloroform	7.509	83	103246	51.681	ug/l	97
31) Cyclohexane	7.789	56	85616	43.828	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	90269	49.965	ug/l	98
36) 1,1-Dichloropropene	7.917	75	78042	50.989	ug/l	99
37) Ethyl Acetate	7.070	43	48096	49.857	ug/l	99
38) Carbon Tetrachloride	7.905	117	85027	53.796	ug/l	99
39) Methylcyclohexane	9.185	83	93229	51.235	ug/l	98
40) Benzene	8.161	78	227221	52.482	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24848m	47.808	ug/l	
42) 1,2-Dichloroethane	8.234	62	68548	52.662	ug/l	100
43) Isopropyl Acetate	8.271	43	85626	49.750	ug/l	99
44) Trichloroethene	8.941	130	59641	52.248	ug/l	94
45) 1,2-Dichloropropane	9.216	63	55736	50.938	ug/l	98
46) Dibromomethane	9.307	93	33766	54.168	ug/l	97
47) Bromodichloromethane	9.502	83	77396	52.687	ug/l	99
48) Methyl methacrylate	9.295	41	40349	50.878	ug/l	95
49) 1,4-Dioxane	9.301	88	9313	1155.675	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	246377	263.900	ug/l	99
52) Toluene	10.246	92	142718	54.659	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	82654	53.643	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	92724	53.168	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	47464	54.674	ug/l	97
56) Ethyl methacrylate	10.508	69	63208	54.605	ug/l	99
57) 1,3-Dichloropropane	10.795	76	78761	53.266	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	154895	254.902	ug/l	99
59) 2-Hexanone	10.831	43	187149	275.818	ug/l	99
60) Dibromochloromethane	10.990	129	58851	55.691	ug/l	100
61) 1,2-Dibromoethane	11.093	107	45037	53.856	ug/l	100
64) Tetrachloroethene	10.721	164	52910	52.393	ug/l	97
65) Chlorobenzene	11.520	112	151533	52.054	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	58297	54.120	ug/l	99
67) Ethyl Benzene	11.593	91	272204	53.185	ug/l	99
68) m/p-Xylenes	11.703	106	211865	107.605	ug/l	100
69) o-Xylene	12.032	106	99179	53.973	ug/l	97
70) Styrene	12.044	104	170040	55.451	ug/l	99
71) Bromoform	12.209	173	38794	55.236	ug/l #	99
73) Isopropylbenzene	12.331	105	264439	50.520	ug/l	100
74) N-amyl acetate	12.142	43	78521	47.677	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	59443	50.519	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	40196m	45.575	ug/l	
77) Bromobenzene	12.611	156	64707	50.886	ug/l	95
78) n-propylbenzene	12.672	91	330402	51.198	ug/l	99
79) 2-Chlorotoluene	12.758	91	180180	50.236	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	222976	51.618	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20808	48.884	ug/l	98
82) 4-Chlorotoluene	12.855	91	187235	50.430	ug/l	99
83) tert-Butylbenzene	13.075	119	196090	52.593	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	221652	52.474	ug/l	99
85) sec-Butylbenzene	13.258	105	291248	51.204	ug/l	99
86) p-Isopropyltoluene	13.373	119	240661	51.769	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	126845	51.721	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	126553	50.560	ug/l	99
89) n-Butylbenzene	13.696	91	226262	50.842	ug/l	100
90) Hexachloroethane	13.965	117	48287	49.871	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	115440	52.071	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9666	50.830	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	71177	52.144	ug/l	99
94) Hexachlorobutadiene	15.117	225	41697	50.084	ug/l	99
95) Naphthalene	15.239	128	145393	53.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	63357	52.189	ug/l	99

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

