

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012522\
 Data File : VY007285.D
 Acq On : 25 Jan 2022 10:21
 Operator : SY/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 : John Carlone 01/26/2022
 Supervised By : Mahesh Dadoda 01/26/2022

Quant Time: Jan 26 03:55:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	93307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	154920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	137492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50216	43.861	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.720%		
35) Dibromofluoromethane	7.716	113	50306	48.023	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.040%		
50) Toluene-d8	10.185	98	175268	45.790	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.580%		
62) 4-Bromofluorobenzene	12.483	95	63305	46.494	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	14515	44.365	ug/l	91
3) Chloromethane	2.119	50	32953	48.029	ug/l	99
4) Vinyl Chloride	2.260	62	52654	52.729	ug/l	98
5) Bromomethane	2.662	94	36120	55.861	ug/l	98
6) Chloroethane	2.802	64	34545	55.445	ug/l	95
7) Trichlorofluoromethane	3.131	101	56003	52.039	ug/l	97
8) Diethyl Ether	3.534	74	31484	53.127	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	56413	53.802	ug/l	99
10) Methyl Iodide	4.095	142	81547	52.583	ug/l	98
11) Tert butyl alcohol	4.948	59	26065	267.337	ug/l	100
12) 1,1-Dichloroethene	3.875	96	55032	52.122	ug/l	100
13) Acrolein	3.735	56	4931	207.470	ug/l	100
14) Allyl chloride	4.479	41	85410	50.451	ug/l	97
15) Acrylonitrile	5.162	53	81496	286.138	ug/l	98
16) Acetone	3.942	43	69581	234.179	ug/l	100
17) Carbon Disulfide	4.198	76	142422	48.574	ug/l	99
18) Methyl Acetate	4.473	43	54287	51.348	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	115762	55.692	ug/l	96
20) Methylene Chloride	4.716	84	60108	48.922	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	59633	52.097	ug/l	96
22) Diisopropyl ether	6.119	45	180777	52.709	ug/l	99
23) Vinyl Acetate	6.058	43	558954	277.125	ug/l	99
24) 1,1-Dichloroethane	6.021	63	110767	53.092	ug/l	98
25) 2-Butanone	6.984	43	98917	257.491	ug/l	100
26) 2,2-Dichloropropane	6.984	77	80106	52.684	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	68891	53.056	ug/l	99
28) Bromochloromethane	7.332	49	41673	55.220	ug/l	100
29) Tetrahydrofuran	7.350	42	67852	274.766	ug/l	99
30) Chloroform	7.509	83	119178	54.978	ug/l	98
31) Cyclohexane	7.789	56	93372	48.240	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	100143	54.048	ug/l	98
36) 1,1-Dichloropropene	7.917	75	89206	53.319	ug/l	100
37) Ethyl Acetate	7.076	43	48291	56.243	ug/l	97
38) Carbon Tetrachloride	7.905	117	95353	54.184	ug/l	97
39) Methylcyclohexane	9.185	83	106133	51.956	ug/l	99
40) Benzene	8.161	78	241940	54.212	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	23853m	48.242	ug/l	
42) 1,2-Dichloroethane	8.240	62	77659	55.259	ug/l	99
43) Isopropyl Acetate	8.277	43	92676	55.472	ug/l	100
44) Trichloroethene	8.941	130	65227	54.011	ug/l	91
45) 1,2-Dichloropropane	9.216	63	61441	54.138	ug/l	95
46) Dibromomethane	9.307	93	37163	55.375	ug/l	99
47) Bromodichloromethane	9.502	83	91729	55.598	ug/l	100
48) Methyl methacrylate	9.295	41	40916	53.844	ug/l	96
49) 1,4-Dioxane	9.307	88	9200	1271.395	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	241525	285.116	ug/l	98
52) Toluene	10.246	92	154763	54.709	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	97216	55.819	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	106440	54.598	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	50995	56.019	ug/l	98
56) Ethyl methacrylate	10.514	69	71954	56.107	ug/l	96
57) 1,3-Dichloropropane	10.795	76	88301	55.649	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	142657	244.634	ug/l	98
59) 2-Hexanone	10.831	43	156348	271.957	ug/l	99
60) Dibromochloromethane	10.984	129	63474	56.722	ug/l	99
61) 1,2-Dibromoethane	11.087	107	50543	56.516	ug/l	99
64) Tetrachloroethene	10.721	164	52336	52.809	ug/l	97
65) Chlorobenzene	11.520	112	165792	55.147	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	62561	56.137	ug/l	99
67) Ethyl Benzene	11.593	91	312636	55.330	ug/l	99
68) m/p-Xylenes	11.703	106	228351	108.749	ug/l	99
69) o-Xylene	12.032	106	109613	55.432	ug/l	99
70) Styrene	12.044	104	188009	56.360	ug/l	99
71) Bromoform	12.215	173	37586	58.307	ug/l #	97
73) Isopropylbenzene	12.331	105	294995	52.961	ug/l	99
74) N-amyl acetate	12.148	43	80978	54.366	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	59574	55.002	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	38857m	52.841	ug/l	
77) Bromobenzene	12.611	156	64911	53.557	ug/l	98
78) n-propylbenzene	12.672	91	361103	52.297	ug/l	99
79) 2-Chlorotoluene	12.758	91	200055	52.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	241191	52.737	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	22221	55.321	ug/l #	97
82) 4-Chlorotoluene	12.855	91	208462	52.054	ug/l	99
83) tert-Butylbenzene	13.075	119	215471	54.524	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	238102	52.523	ug/l	98
85) sec-Butylbenzene	13.258	105	311400	52.672	ug/l	99
86) p-Isopropyltoluene	13.373	119	257615	53.024	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	128144	54.017	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	126449	53.008	ug/l	99
89) n-Butylbenzene	13.697	91	256608	53.641	ug/l	98
90) Hexachloroethane	13.965	117	51900	54.641	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	110973	52.575	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9696	51.831	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	69638	54.253	ug/l	99
94) Hexachlorobutadiene	15.117	225	35320	53.391	ug/l	98
95) Naphthalene	15.239	128	150596	55.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	59369	54.214	ug/l	99

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

