

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012422\
 Data File : VY007283.D
 Acq On : 24 Jan 2022 20:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2022
 Supervised By : Mahesh Dadoda 01/25/2022

Quant Time: Jan 25 00:35:34 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	7.795	168	76431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	133618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	122384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	46681	49.776	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.560%		
35) Dibromofluoromethane	7.722	113	43924	48.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.240%		
50) Toluene-d8	10.185	98	156151	47.299	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.600%		
62) 4-Bromofluorobenzene	12.483	95	56333	47.970	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	14724	54.941	ug/l	92
3) Chloromethane	2.119	50	31123	55.378	ug/l	99
4) Vinyl Chloride	2.259	62	50765	62.062	ug/l	94
5) Bromomethane	2.668	94	34980	66.043	ug/l	98
6) Chloroethane	2.808	64	33452	65.546	ug/l	100
7) Trichlorofluoromethane	3.131	101	57853	65.627	ug/l	99
8) Diethyl Ether	3.533	74	31676	65.253	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.911	101	51469	59.926	ug/l	98
10) Methyl Iodide	4.094	142	79323	62.443	ug/l	96
11) Tert butyl alcohol	4.954	59	24850	311.956	ug/l	97
12) 1,1-Dichloroethene	3.875	96	52385	60.570	ug/l	98
13) Acrolein	3.722	56	5586	293.586	ug/l	97
14) Allyl chloride	4.484	41	83799	60.429	ug/l	98
15) Acrylonitrile	5.161	53	77107	330.505	ug/l	96
16) Acetone	3.948	43	65091	267.438	ug/l	99
17) Carbon Disulfide	4.198	76	137503	57.251	ug/l	100
18) Methyl Acetate	4.478	43	52286	60.375	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	112890	66.302	ug/l	100
20) Methylene Chloride	4.722	84	61660	61.266	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	57634	61.468	ug/l	94
22) Diisopropyl ether	6.124	45	180363	64.200	ug/l	99
23) Vinyl Acetate	6.063	43	546161	330.571	ug/l	100
24) 1,1-Dichloroethane	6.027	63	106977	62.596	ug/l	98
25) 2-Butanone	6.990	43	104102	330.823	ug/l	99
26) 2,2-Dichloropropane	6.990	77	75403	60.541	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	67446	63.413	ug/l	99
28) Bromochloromethane	7.337	49	38761	62.702	ug/l	97
29) Tetrahydrofuran	7.350	42	65634	324.470	ug/l	99
30) Chloroform	7.514	83	115265	64.913	ug/l	99
31) Cyclohexane	7.789	56	87962	55.479	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	96533	63.604	ug/l	99
36) 1,1-Dichloropropene	7.917	75	84399	58.488	ug/l	100
37) Ethyl Acetate	7.075	43	46082	62.227	ug/l	97
38) Carbon Tetrachloride	7.904	117	89869	59.209	ug/l	99
39) Methylcyclohexane	9.185	83	99739	56.610	ug/l	99
40) Benzene	8.167	78	234281	60.865	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25971m	60.899	ug/l	
42) 1,2-Dichloroethane	8.240	62	75084	61.945	ug/l	100
43) Isopropyl Acetate	8.276	43	90704	62.947	ug/l	98
44) Trichloroethene	8.941	130	62810	60.301	ug/l	100
45) 1,2-Dichloropropane	9.221	63	60374	61.679	ug/l	95
46) Dibromomethane	9.307	93	34807	60.132	ug/l	98
47) Bromodichloromethane	9.502	83	89573	62.947	ug/l	98
48) Methyl methacrylate	9.294	41	40245	61.404	ug/l	95
49) 1,4-Dioxane	9.301	88	8695	1393.172	ug/l #	93
51) 4-Methyl-2-Pentanone	10.075	43	232935	318.813	ug/l	97
52) Toluene	10.245	92	151222	61.980	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	93051	61.946	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	103654	61.645	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	48864	62.236	ug/l	95
56) Ethyl methacrylate	10.514	69	69919	63.212	ug/l	97
57) 1,3-Dichloropropane	10.794	76	86501	63.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	145289	288.868	ug/l	98
59) 2-Hexanone	10.831	43	158723	320.103	ug/l	98
60) Dibromochloromethane	10.989	129	62720	64.983	ug/l	97
61) 1,2-Dibromoethane	11.093	107	47685	61.821	ug/l	100
64) Tetrachloroethene	10.721	164	48559	55.047	ug/l	98
65) Chlorobenzene	11.520	112	159523	59.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	61011	61.505	ug/l	99
67) Ethyl Benzene	11.593	91	298820	59.413	ug/l	98
68) m/p-Xylenes	11.703	106	221610	118.567	ug/l	99
69) o-Xylene	12.032	106	105166	59.749	ug/l	99
70) Styrene	12.044	104	183288	61.727	ug/l	98
71) Bromoform	12.209	173	35764	62.330	ug/l #	97
73) Isopropylbenzene	12.330	105	280756	57.356	ug/l	100
74) N-amyl acetate	12.148	43	78515	59.982	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	57923	60.853	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	36993m	57.244	ug/l	
77) Bromobenzene	12.611	156	62505	58.684	ug/l	100
78) n-propylbenzene	12.672	91	346003	57.021	ug/l	99
79) 2-Chlorotoluene	12.757	91	194730	57.718	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	233123	58.003	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	20424	57.859	ug/l #	100
82) 4-Chlorotoluene	12.855	91	200307	56.916	ug/l	99
83) tert-Butylbenzene	13.074	119	200990	57.874	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	229425	57.589	ug/l	98
85) sec-Butylbenzene	13.257	105	297386	57.238	ug/l	99
86) p-Isopropyltoluene	13.373	119	248837	58.281	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	121407	58.235	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	120173	57.325	ug/l	99
89) n-Butylbenzene	13.696	91	241798	57.516	ug/l	98
90) Hexachloroethane	13.964	117	48959	58.654	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	108265	58.366	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9182	55.853	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	66932	59.336	ug/l	98
94) Hexachlorobutadiene	15.117	225	33694	57.958	ug/l	98
95) Naphthalene	15.238	128	145416	60.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	57044	59.275	ug/l	100

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

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