

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030222\
 Data File : VY007681.D
 Acq On : 02 Mar 2022 10:00
 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 03/03/2022
 Supervised By : Mahesh Dadoda 03/03/2022

Quant Time: Mar 03 00:32:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	377763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	584983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	522417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	263780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	174590	44.146	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.300%		
35) Dibromofluoromethane	7.716	113	175007	46.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.580%		
50) Toluene-d8	10.179	98	636385	46.225	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.460%		
62) 4-Bromofluorobenzene	12.483	95	207928	46.855	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	134728	54.788	ug/l	99
3) Chloromethane	2.113	50	197976	51.184	ug/l	97
4) Vinyl Chloride	2.253	62	276982	48.874	ug/l	96
5) Bromomethane	2.656	94	211089	46.086	ug/l	97
6) Chloroethane	2.796	64	200523	46.138	ug/l	100
7) Trichlorofluoromethane	3.131	101	328858	50.788	ug/l	95
8) Diethyl Ether	3.534	74	103779	49.809	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.905	101	204113	51.640	ug/l	96
10) Methyl Iodide	4.094	142	247777	51.524	ug/l	92
11) Tert butyl alcohol	4.954	59	78667	229.749	ug/l #	91
12) 1,1-Dichloroethene	3.881	96	181588	51.765	ug/l	80
13) Acrolein	3.729	56	72394	248.543	ug/l	98
14) Allyl chloride	4.485	41	270228	51.214	ug/l #	89
15) Acrylonitrile	5.167	53	268202	243.869	ug/l	99
16) Acetone	3.948	43	173424	215.561	ug/l #	88
17) Carbon Disulfide	4.198	76	466050	55.338	ug/l	100
18) Methyl Acetate	4.479	43	108708	45.695	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	540058	49.603	ug/l	94
20) Methylene Chloride	4.722	84	209030	54.506	ug/l	84
21) trans-1,2-Dichloroethene	5.222	96	211449	51.658	ug/l	91
22) Diisopropyl ether	6.119	45	654195	51.900	ug/l #	96
23) Vinyl Acetate	6.058	43	2106855	264.307	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	394518	51.800	ug/l	99
25) 2-Butanone	6.984	43	311598	230.880	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	376938	55.614	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	250267	52.142	ug/l	90
28) Bromochloromethane	7.338	49	151430	46.752	ug/l	85
29) Tetrahydrofuran	7.350	42	219517	237.714	ug/l #	85
30) Chloroform	7.508	83	415572	52.668	ug/l	99
31) Cyclohexane	7.789	56	337497	55.851	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	374610	53.346	ug/l	97
36) 1,1-Dichloropropene	7.917	75	312070	53.043	ug/l	98
37) Ethyl Acetate	7.076	43	154249	47.468	ug/l	97
38) Carbon Tetrachloride	7.905	117	345212	55.006	ug/l	97
39) Methylcyclohexane	9.185	83	383105	52.984	ug/l	88
40) Benzene	8.161	78	874075	53.383	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	63551m	40.925	ug/l	
42) 1,2-Dichloroethane	8.240	62	263175	51.511	ug/l	93
43) Isopropyl Acetate	8.271	43	300483	50.002	ug/l #	92
44) Trichloroethene	8.941	130	241864	53.187	ug/l	98
45) 1,2-Dichloropropane	9.216	63	225296	53.208	ug/l	96
46) Dibromomethane	9.307	93	129093	50.791	ug/l	97
47) Bromodichloromethane	9.496	83	322133	54.037	ug/l	97
48) Methyl methacrylate	9.295	41	130783	50.208	ug/l #	85
49) 1,4-Dioxane	9.295	88	31307	1020.286	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	786501	244.603	ug/l	90
52) Toluene	10.246	92	567499	53.604	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	326365	53.323	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	368717	54.527	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	180798	52.288	ug/l	97
56) Ethyl methacrylate	10.508	69	237168	51.663	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	309688	52.964	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	608901	243.214	ug/l	97
59) 2-Hexanone	10.831	43	537998	248.459	ug/l	88
60) Dibromochloromethane	10.983	129	223755	54.346	ug/l	99
61) 1,2-Dibromoethane	11.087	107	173545	52.657	ug/l	99
64) Tetrachloroethene	10.721	164	202076	52.184	ug/l	97
65) Chlorobenzene	11.514	112	611739	53.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	237675	55.842	ug/l	98
67) Ethyl Benzene	11.593	91	1122102	54.669	ug/l	98
68) m/p-Xylenes	11.703	106	868212	110.243	ug/l	93
69) o-Xylene	12.032	106	411627	55.156	ug/l	93
70) Styrene	12.044	104	696947	55.773	ug/l	96
71) Bromoform	12.209	173	143604	54.187	ug/l #	99
73) Isopropylbenzene	12.331	105	1136069	55.284	ug/l	100
74) N-amyl acetate	12.142	43	271851	49.696	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	221292	51.344	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	129633m	44.006	ug/l	
77) Bromobenzene	12.611	156	255253	53.926	ug/l	92
78) n-propylbenzene	12.672	91	1370222	55.257	ug/l	99
79) 2-Chlorotoluene	12.758	91	719356	54.212	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	909906	55.375	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	73433	50.962	ug/l	89
82) 4-Chlorotoluene	12.855	91	757915	55.530	ug/l	96
83) tert-Butylbenzene	13.075	119	832907	55.107	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	890659	55.028	ug/l	97
85) sec-Butylbenzene	13.251	105	1245957	55.727	ug/l	100
86) p-Isopropyltoluene	13.367	119	1039643	56.299	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	519253	55.128	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	511370	55.008	ug/l	98
89) n-Butylbenzene	13.696	91	986751	56.537	ug/l	99
90) Hexachloroethane	13.959	117	196011	55.997	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	452144	54.061	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31325	47.991	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	290734	54.908	ug/l	99
94) Hexachlorobutadiene	15.111	225	173665	55.474	ug/l	98
95) Naphthalene	15.233	128	550650	51.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	249897	52.955	ug/l	100

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

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