

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022222\
 Data File : VY007571.D
 Acq On : 22 Feb 2022 10:20
 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 02/23/2022
 Supervised By : Mahesh Dadoda 02/23/2022

Quant Time: Feb 22 14:10:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 15:25:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	87731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	128484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	118846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40802	44.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.800%		
35) Dibromofluoromethane	7.716	113	39056	47.939	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.880%		
50) Toluene-d8	10.179	98	131402	46.518	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.040%		
62) 4-Bromofluorobenzene	12.483	95	46122	45.094	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	63079	57.987	ug/l	99
3) Chloromethane	2.113	50	46519	51.497	ug/l	97
4) Vinyl Chloride	2.253	62	47389	50.099	ug/l	97
5) Bromomethane	2.650	94	35393	51.575	ug/l	98
6) Chloroethane	2.796	64	28895	49.200	ug/l	95
7) Trichlorofluoromethane	3.131	101	121649	58.798	ug/l	94
8) Diethyl Ether	3.534	74	24719	46.951	ug/l	57
9) 1,1,2-Trichlorotrifluo...	3.905	101	52184	51.325	ug/l	94
10) Methyl Iodide	4.094	142	65577	54.024	ug/l	96
11) Tert butyl alcohol	4.948	59	19736	246.399	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	44944	49.283	ug/l	82
13) Acrolein	3.735	56	10456	177.010	ug/l	91
14) Allyl chloride	4.479	41	41317	42.044	ug/l #	55
15) Acrylonitrile	5.167	53	42760	212.039	ug/l	97
16) Acetone	3.948	43	57089	266.309	ug/l	91
17) Carbon Disulfide	4.198	76	111288	46.424	ug/l	95
18) Methyl Acetate	4.485	43	17760	42.514	ug/l #	73
19) Methyl tert-butyl Ether	5.222	73	115622	45.345	ug/l #	86
20) Methylene Chloride	4.722	84	43272	47.596	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	43033	45.399	ug/l #	78
22) Diisopropyl ether	6.118	45	73265	41.316	ug/l #	70
23) Vinyl Acetate	6.058	43	278896	207.468	ug/l #	81
24) 1,1-Dichloroethane	6.021	63	66361	44.699	ug/l	96
25) 2-Butanone	6.984	43	51124	209.478	ug/l #	67
26) 2,2-Dichloropropane	6.984	77	82906	50.535	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	49203	45.723	ug/l	82
28) Bromochloromethane	7.338	49	22354	44.541	ug/l #	35
29) Tetrahydrofuran	7.344	42	27447	195.226	ug/l #	55
30) Chloroform	7.508	83	88346	48.381	ug/l	94
31) Cyclohexane	7.783	56	52288	47.228	ug/l #	71
32) 1,1,1-Trichloroethane	7.704	97	94426	52.401	ug/l	94
36) 1,1-Dichloropropene	7.923	75	58779	49.372	ug/l	95
37) Ethyl Acetate	7.070	43	22242	45.788	ug/l #	94
38) Carbon Tetrachloride	7.899	117	91088	56.814	ug/l	99
39) Methylcyclohexane	9.185	83	75461	50.193	ug/l #	78
40) Benzene	8.161	78	153373	48.087	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	12588m	48.366	ug/l	
42) 1,2-Dichloroethane	8.240	62	56520	50.741	ug/l	96
43) Isopropyl Acetate	8.271	43	46294	45.898	ug/l #	84
44) Trichloroethene	8.941	130	54134	52.556	ug/l	98
45) 1,2-Dichloropropane	9.215	63	33917	46.293	ug/l	99
46) Dibromomethane	9.307	93	27656	50.844	ug/l	98
47) Bromodichloromethane	9.496	83	70403	54.535	ug/l	96
48) Methyl methacrylate	9.295	41	20330	46.857	ug/l #	57
49) 1,4-Dioxane	9.301	88	6096	991.273	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	121848	245.329	ug/l	90
52) Toluene	10.240	92	109285	49.996	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	66156	50.268	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	69777	49.380	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	34533	47.965	ug/l	92
56) Ethyl methacrylate	10.508	69	42517	48.031	ug/l #	79
57) 1,3-Dichloropropane	10.794	76	57184	49.253	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	95807	221.320	ug/l #	77
59) 2-Hexanone	10.831	43	91879	256.649	ug/l	89
60) Dibromochloromethane	10.983	129	53718	54.446	ug/l	100
61) 1,2-Dibromoethane	11.087	107	36948	51.050	ug/l	99
64) Tetrachloroethene	10.721	164	51403	53.773	ug/l	96
65) Chlorobenzene	11.514	112	126536	51.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	54419	54.386	ug/l	99
67) Ethyl Benzene	11.593	91	231428	52.415	ug/l	96
68) m/p-Xylenes	11.703	106	176898	105.228	ug/l	100
69) o-Xylene	12.026	106	84920	52.971	ug/l	98
70) Styrene	12.044	104	140649	52.676	ug/l	99
71) Bromoform	12.209	173	33763	54.590	ug/l #	99
73) Isopropylbenzene	12.331	105	236449	50.741	ug/l	100
74) N-amyl acetate	12.142	43	43947	48.625	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	39051	48.422	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	31167m	45.228	ug/l	
77) Bromobenzene	12.611	156	56263	51.436	ug/l	83
78) n-propylbenzene	12.672	91	278872	51.339	ug/l	97
79) 2-Chlorotoluene	12.758	91	150938	49.632	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	204872	52.444	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	13070	46.482	ug/l	96
82) 4-Chlorotoluene	12.855	91	161041	51.391	ug/l	98
83) tert-Butylbenzene	13.075	119	184335	52.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	204978	53.388	ug/l	99
85) sec-Butylbenzene	13.251	105	265898	52.944	ug/l	99
86) p-Isopropyltoluene	13.367	119	231516	54.738	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	110394	53.192	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	109337	52.886	ug/l	98
89) n-Butylbenzene	13.696	91	207579	53.736	ug/l	97
90) Hexachloroethane	13.959	117	47265	56.435	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	98466	53.040	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8660	57.622	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	66417	54.428	ug/l	97
94) Hexachlorobutadiene	15.111	225	43429	59.025	ug/l	99
95) Naphthalene	15.233	128	137224	53.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	59113	54.651	ug/l	97

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

