

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007968.D
 Acq On : 21 Mar 2022 20:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 03:42:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	215442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	387475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	346438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128951	52.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.000%			
35) Dibromofluoromethane	7.716	113	135290	49.717	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.440%			
50) Toluene-d8	10.179	98	462372	57.112	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.220%			
62) 4-Bromofluorobenzene	12.483	95	178663	45.747	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65157	46.079	ug/l	100
3) Chloromethane	2.113	50	99976	58.613	ug/l	94
4) Vinyl Chloride	2.247	62	131343	61.101	ug/l	100
5) Bromomethane	2.643	94	97840	69.909	ug/l	99
6) Chloroethane	2.790	64	94391	53.575	ug/l	100
7) Trichlorofluoromethane	3.125	101	185984	47.084	ug/l	95
8) Diethyl Ether	3.521	74	72092	49.176	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	122619	48.061	ug/l	90
10) Methyl Iodide	4.088	142	113060	47.940	ug/l	91
11) Tert butyl alcohol	4.948	59	76435	267.095	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	106359	45.465	ug/l	84
13) Acrolein	3.729	56	16262	94.348	ug/l	99
14) Allyl chloride	4.478	41	194868	49.524	ug/l #	92
15) Acrylonitrile	5.161	53	213591	273.388	ug/l	97
16) Acetone	3.942	43	150534	231.002	ug/l	91
17) Carbon Disulfide	4.192	76	226390	50.847	ug/l	100
18) Methyl Acetate	4.472	43	89266	58.541	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	396054	53.972	ug/l	97
20) Methylene Chloride	4.710	84	145841	58.478	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	125535	47.932	ug/l	86
22) Diisopropyl ether	6.118	45	464049	54.817	ug/l #	94
23) Vinyl Acetate	6.057	43	1520264	286.725	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	257765	54.059	ug/l	99
25) 2-Butanone	6.984	43	266667	255.476	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	222053	50.246	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	164272	52.256	ug/l	89
28) Bromochloromethane	7.332	49	106667	56.636	ug/l	90
29) Tetrahydrofuran	7.344	42	176107	263.314	ug/l #	87
30) Chloroform	7.502	83	275890	55.978	ug/l	98
31) Cyclohexane	7.783	56	197071	55.725	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	234010	52.717	ug/l	96
36) 1,1-Dichloropropene	7.917	75	182888	45.314	ug/l	98
37) Ethyl Acetate	7.069	43	120345	48.867	ug/l #	94
38) Carbon Tetrachloride	7.899	117	200769	46.552	ug/l	99
39) Methylcyclohexane	9.179	83	221281	49.465	ug/l	90
40) Benzene	8.155	78	557515	47.270	ug/l	96

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41) Methacrylonitrile	7.326	41	80301m	52.872	ug/l	
42) 1,2-Dichloroethane	8.234	62	170870	50.037	ug/l	92
43) Isopropyl Acetate	8.270	43	233558	49.193	ug/l #	92
44) Trichloroethene	8.935	130	147707	45.290	ug/l	93
45) 1,2-Dichloropropane	9.215	63	150937	49.424	ug/l	92
46) Dibromomethane	9.301	93	88954	49.791	ug/l	91
47) Bromodichloromethane	9.496	83	217630	50.424	ug/l	99
48) Methyl methacrylate	9.289	41	99556	47.138	ug/l #	86
49) 1,4-Dioxane	9.289	88	25521	1008.667	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	614421	245.627	ug/l	90
52) Toluene	10.246	92	361139	47.679	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	222033	48.224	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	246898	48.087	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	131556	50.685	ug/l	97
56) Ethyl methacrylate	10.508	69	180458	48.429	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	216421	50.000	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	451035	246.746	ug/l	95
59) 2-Hexanone	10.831	43	418194	233.784	ug/l	88
60) Dibromochloromethane	10.983	129	154426	49.677	ug/l	99
61) 1,2-Dibromoethane	11.087	107	122524	48.795	ug/l	100
64) Tetrachloroethene	10.721	164	115236	42.746	ug/l	97
65) Chlorobenzene	11.514	112	403655	48.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	156311	50.026	ug/l	97
67) Ethyl Benzene	11.593	91	712644	48.207	ug/l	98
68) m/p-Xylenes	11.703	106	547815	94.998	ug/l	93
69) o-Xylene	12.026	106	269383	48.295	ug/l	94
70) Styrene	12.044	104	465806	49.670	ug/l	96
71) Bromoform	12.209	173	93705	46.821	ug/l #	99
73) Isopropylbenzene	12.331	105	725754	48.524	ug/l	100
74) N-amyl acetate	12.142	43	212628	48.186	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	162553	50.490	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	116128m	47.949	ug/l	
77) Bromobenzene	12.611	156	160285	46.897	ug/l	96
78) n-propylbenzene	12.672	91	867336	48.024	ug/l	99
79) 2-Chlorotoluene	12.757	91	494271	48.643	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	590571	48.015	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	53344	46.263	ug/l #	85
82) 4-Chlorotoluene	12.855	91	508810	48.202	ug/l	99
83) tert-Butylbenzene	13.074	119	544457	49.466	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	584917	48.512	ug/l	99
85) sec-Butylbenzene	13.251	105	809056	49.048	ug/l	99
86) p-Isopropyltoluene	13.367	119	647206	48.330	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	324344	48.591	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	323978	48.426	ug/l	98
89) n-Butylbenzene	13.696	91	619641	48.216	ug/l	99
90) Hexachloroethane	13.958	117	132207	49.462	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	295359	49.193	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25271	45.626	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	165781	43.679	ug/l	97
94) Hexachlorobutadiene	15.111	225	83788	41.379	ug/l	100
95) Naphthalene	15.233	128	395747	46.734	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	146855	43.869	ug/l	98

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

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