

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051122\
 Data File : VY008696.D
 Acq On : 11 May 2022 10:25
 Operator : KP/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 05/12/2022
 Supervised By : Mahesh Dadoda 05/12/2022

Quant Time: May 11 13:19:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	225732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	348822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	324978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	101198	52.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.640%			
35) Dibromofluoromethane	7.716	113	112323	52.253	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.500%			
50) Toluene-d8	10.179	98	392294	51.788	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.483	95	139019	51.011	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	50606	42.893	ug/l	99
3) Chloromethane	2.119	50	68024	46.833	ug/l	92
4) Vinyl Chloride	2.259	62	92381	50.096	ug/l	98
5) Bromomethane	2.662	94	74305	50.139	ug/l	96
6) Chloroethane	2.802	64	61316	48.460	ug/l	96
7) Trichlorofluoromethane	3.125	101	101663	45.562	ug/l	95
8) Diethyl Ether	3.528	74	68720	48.683	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.899	101	103221	45.208	ug/l	94
10) Methyl Iodide	4.088	142	175845	46.406	ug/l #	86
11) Tert butyl alcohol	4.942	59	50255	303.135	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	109034	46.144	ug/l #	79
13) Acrolein	3.729	56	44779	234.446	ug/l	97
14) Allyl chloride	4.472	41	145551	47.615	ug/l #	84
15) Acrylonitrile	5.155	53	168815	266.878	ug/l	97
16) Acetone	3.942	43	125499	275.021	ug/l #	83
17) Carbon Disulfide	4.192	76	287428	45.865	ug/l	100
18) Methyl Acetate	4.472	43	72254	53.452	ug/l #	81
19) Methyl tert-butyl Ether	5.216	73	218219	50.097	ug/l	95
20) Methylene Chloride	4.710	84	131467	47.441	ug/l #	78
21) trans-1,2-Dichloroethene	5.210	96	123966	46.677	ug/l #	79
22) Diisopropyl ether	6.112	45	330798	49.991	ug/l #	90
23) Vinyl Acetate	6.051	43	1151595	275.520	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	202889	47.753	ug/l	96
25) 2-Butanone	6.984	43	206457	275.233	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	136302	47.988	ug/l	89
27) cis-1,2-Dichloroethene	6.984	96	145852	48.579	ug/l	77
28) Bromochloromethane	7.332	49	76714	50.915	ug/l #	68
29) Tetrahydrofuran	7.344	42	138385	276.040	ug/l #	78
30) Chloroform	7.502	83	217868	48.488	ug/l	99
31) Cyclohexane	7.783	56	169590	44.324	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	177779	48.279	ug/l	94
36) 1,1-Dichloropropene	7.917	75	162669	47.099	ug/l	94
37) Ethyl Acetate	7.070	43	95579	55.657	ug/l #	91
38) Carbon Tetrachloride	7.899	117	169613	48.555	ug/l	100
39) Methylcyclohexane	9.179	83	209473	46.896	ug/l #	85
40) Benzene	8.161	78	488034	48.635	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	52725m	55.583	ug/l	
42) 1,2-Dichloroethane	8.234	62	133107	51.172	ug/l	86
43) Isopropyl Acetate	8.271	43	170086	54.522	ug/l #	86
44) Trichloroethene	8.935	130	139274	47.559	ug/l	99
45) 1,2-Dichloropropane	9.216	63	121832	49.763	ug/l	96
46) Dibromomethane	9.307	93	78620	51.308	ug/l	96
47) Bromodichloromethane	9.496	83	173735	50.776	ug/l	98
48) Methyl methacrylate	9.289	41	73678	54.254	ug/l #	74
49) 1,4-Dioxane	9.301	88	20153	1087.597	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	466301	285.793	ug/l #	84
52) Toluene	10.246	92	318027	48.682	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	187251	50.927	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	210641	50.201	ug/l #	77
55) 1,1,2-Trichloroethane	10.642	97	113129	51.770	ug/l	98
56) Ethyl methacrylate	10.508	69	151537	54.801	ug/l #	70
57) 1,3-Dichloropropane	10.788	76	184216	51.537	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	382777	279.563	ug/l	90
59) 2-Hexanone	10.831	43	327456	293.028	ug/l	79
60) Dibromochloromethane	10.984	129	138215	52.087	ug/l	99
61) 1,2-Dibromoethane	11.087	107	111275	51.674	ug/l	99
64) Tetrachloroethene	10.721	164	117845	46.524	ug/l	97
65) Chlorobenzene	11.520	112	354126	48.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	135718	50.270	ug/l	96
67) Ethyl Benzene	11.593	91	606739	48.566	ug/l	97
68) m/p-Xylenes	11.703	106	487829	97.595	ug/l	89
69) o-Xylene	12.032	106	232217	48.970	ug/l	88
70) Styrene	12.044	104	395664	50.251	ug/l	93
71) Bromoform	12.209	173	93415	53.687	ug/l #	99
73) Isopropylbenzene	12.331	105	601146	47.437	ug/l	99
74) N-amyl acetate	12.148	43	154625	54.342	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.587	83	137477	51.829	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	86621m	46.325	ug/l	
77) Bromobenzene	12.611	156	152881	48.216	ug/l	90
78) n-propylbenzene	12.672	91	718662	47.698	ug/l	96
79) 2-Chlorotoluene	12.758	91	401376	48.153	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	495471	48.273	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	49924	53.120	ug/l #	77
82) 4-Chlorotoluene	12.855	91	414127	47.910	ug/l	94
83) tert-Butylbenzene	13.081	119	457307	49.666	ug/l	89
84) 1,2,4-Trimethylbenzene	13.123	105	491707	48.510	ug/l	95
85) sec-Butylbenzene	13.258	105	668057	49.089	ug/l	98
86) p-Isopropyltoluene	13.373	119	553931	48.983	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	295720	48.215	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	295415	48.577	ug/l	98
89) n-Butylbenzene	13.696	91	508610	49.143	ug/l	98
90) Hexachloroethane	13.965	117	107015	48.739	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	266565	48.999	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20519	52.267	ug/l	62
93) 1,2,4-Trichlorobenzene	15.007	180	172250	49.564	ug/l	100
94) Hexachlorobutadiene	15.117	225	94698	49.727	ug/l	99
95) Naphthalene	15.239	128	380003	53.447	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	156230	51.011	ug/l	99

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

