

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008035.D
 Acq On : 26 Mar 2022 10:29
 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 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 28 09:26:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	183170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	306255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	279373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	95360	51.890	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.780%			
35) Dibromofluoromethane	7.715	113	102327	53.292	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.580%			
50) Toluene-d8	10.178	98	390488	53.979	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.960%			
62) 4-Bromofluorobenzene	12.483	95	136892	53.636	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	88506	53.601	ug/l	98
3) Chloromethane	2.113	50	98886	49.180	ug/l	96
4) Vinyl Chloride	2.253	62	131064	48.990	ug/l	99
5) Bromomethane	2.655	94	101844	46.451	ug/l	97
6) Chloroethane	2.796	64	85974	48.854	ug/l	100
7) Trichlorofluoromethane	3.131	101	170792	50.467	ug/l	94
8) Diethyl Ether	3.533	74	55818	50.932	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.899	101	108068	51.479	ug/l	92
10) Methyl Iodide	4.094	142	127113	51.778	ug/l	91
11) Tert butyl alcohol	4.948	59	41809	219.272	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	99112	50.999	ug/l	84
13) Acrolein	3.728	56	35401	228.106	ug/l	95
14) Allyl chloride	4.478	41	132433	51.793	ug/l #	91
15) Acrylonitrile	5.161	53	125224	239.881	ug/l	97
16) Acetone	3.948	43	112846	268.645	ug/l #	88
17) Carbon Disulfide	4.198	76	288182	52.332	ug/l	99
18) Methyl Acetate	4.478	43	51468	46.074	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	274973	49.787	ug/l	93
20) Methylene Chloride	4.716	84	114378	53.885	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	116616	51.823	ug/l #	83
22) Diisopropyl ether	6.118	45	286916	52.156	ug/l #	92
23) Vinyl Acetate	6.063	43	917829	269.264	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	187972	51.613	ug/l #	97
25) 2-Butanone	6.984	43	154791	242.152	ug/l #	76
26) 2,2-Dichloropropane	6.984	77	182078	52.791	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	135120	51.803	ug/l	81
28) Bromochloromethane	7.331	49	47640	49.486	ug/l #	67
29) Tetrahydrofuran	7.344	42	96118	231.284	ug/l #	73
30) Chloroform	7.508	83	205577	52.131	ug/l	99
31) Cyclohexane	7.783	56	164476	47.880	ug/l #	82
32) 1,1,1-Trichloroethane	7.703	97	189709	52.066	ug/l	94
36) 1,1-Dichloropropene	7.917	75	156904	52.021	ug/l	96
37) Ethyl Acetate	7.069	43	68881	48.886	ug/l #	90
38) Carbon Tetrachloride	7.898	117	171968	52.318	ug/l	95
39) Methylcyclohexane	9.185	83	207808	51.044	ug/l #	84
40) Benzene	8.160	78	451219	52.299	ug/l	96

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41) Methacrylonitrile	7.307	41	41106m	58.101	ug/l	
42) 1,2-Dichloroethane	8.240	62	122109	50.453	ug/l	90
43) Isopropyl Acetate	8.276	43	133867	48.397	ug/l #	84
44) Trichloroethene	8.941	130	132223	52.998	ug/l	100
45) 1,2-Dichloropropane	9.215	63	106706	52.479	ug/l	93
46) Dibromomethane	9.307	93	67992	50.855	ug/l	95
47) Bromodichloromethane	9.496	83	159904	52.304	ug/l	100
48) Methyl methacrylate	9.294	41	59685	48.719	ug/l #	78
49) 1,4-Dioxane	9.294	88	17496	984.397	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	332239	238.154	ug/l #	84
52) Toluene	10.245	92	303203	53.587	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	166363	53.086	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	186186	52.484	ug/l #	84
55) 1,1,2-Trichloroethane	10.648	97	95049	51.486	ug/l	98
56) Ethyl methacrylate	10.508	69	123067	51.105	ug/l #	73
57) 1,3-Dichloropropane	10.794	76	155340	51.412	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	229636	230.151	ug/l #	88
59) 2-Hexanone	10.831	43	238322	244.134	ug/l	80
60) Dibromochloromethane	10.983	129	118238	52.661	ug/l	99
61) 1,2-Dibromoethane	11.087	107	93690	50.956	ug/l	98
64) Tetrachloroethene	10.721	164	108158	50.406	ug/l	96
65) Chlorobenzene	11.520	112	331320	52.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	124368	53.524	ug/l	97
67) Ethyl Benzene	11.593	91	578958	52.439	ug/l	96
68) m/p-Xylenes	11.703	106	466706	106.307	ug/l	90
69) o-Xylene	12.032	106	224366	53.377	ug/l	89
70) Styrene	12.044	104	372638	54.154	ug/l	94
71) Bromoform	12.209	173	73869	52.654	ug/l #	100
73) Isopropylbenzene	12.330	105	584807	51.469	ug/l	99
74) N-amyl acetate	12.141	43	118683	47.517	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.587	83	107015	48.456	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	67792m	40.400	ug/l	
77) Bromobenzene	12.611	156	138578	53.163	ug/l	88
78) n-propylbenzene	12.672	91	686903	51.253	ug/l	96
79) 2-Chlorotoluene	12.757	91	384376	51.700	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	485356	52.142	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	37321	49.623	ug/l #	79
82) 4-Chlorotoluene	12.855	91	389388	51.044	ug/l	94
83) tert-Butylbenzene	13.080	119	445680	53.742	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	469408	51.785	ug/l	96
85) sec-Butylbenzene	13.257	105	630241	51.488	ug/l	98
86) p-Isopropyltoluene	13.373	119	535735	52.589	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	273317	52.887	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	270213	52.429	ug/l	98
89) n-Butylbenzene	13.696	91	480527	51.268	ug/l	97
90) Hexachloroethane	13.964	117	103323	52.346	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	240913	52.948	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16066	45.579	ug/l	69
93) 1,2,4-Trichlorobenzene	15.013	180	140359	51.505	ug/l	99
94) Hexachlorobutadiene	15.117	225	72761	50.470	ug/l	99
95) Naphthalene	15.238	128	295952	49.131	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	118348	50.191	ug/l	99

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

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