

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007537.D
 Acq On : 17 Feb 2022 21:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 07:44:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	94262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	156668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	140500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	64829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52992	50.919	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.840%			
35) Dibromofluoromethane	7.716	113	50642	51.257	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.520%			
50) Toluene-d8	10.179	98	175913	46.879	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.760%			
62) 4-Bromofluorobenzene	12.477	95	60588	47.618	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48529	46.539	ug/l	97
3) Chloromethane	2.107	50	45612	52.901	ug/l	93
4) Vinyl Chloride	2.247	62	46331	44.161	ug/l	95
5) Bromomethane	2.644	94	34769	56.670	ug/l	96
6) Chloroethane	2.790	64	29666	47.785	ug/l	96
7) Trichlorofluoromethane	3.119	101	102369	51.332	ug/l	91
8) Diethyl Ether	3.522	74	31979	55.485	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.900	101	53968	49.218	ug/l	97
10) Methyl Iodide	4.088	142	63494	46.908	ug/l	96
11) Tert butyl alcohol	4.954	59	28295	347.566	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	50798	49.631	ug/l	84
13) Acrolein	3.723	56	17561	214.810	ug/l	100
14) Allyl chloride	4.473	41	61314	42.622	ug/l #	83
15) Acrylonitrile	5.155	53	68348	269.372	ug/l	99
16) Acetone	3.948	43	54574	197.653	ug/l	91
17) Carbon Disulfide	4.192	76	134524	45.631	ug/l	99
18) Methyl Acetate	4.473	43	29544	48.414	ug/l #	77
19) Methyl tert-butyl Ether	5.210	73	156318	55.068	ug/l #	88
20) Methylene Chloride	4.716	84	58862	52.014	ug/l #	77
21) trans-1,2-Dichloroethene	5.210	96	53930	48.224	ug/l	83
22) Diisopropyl ether	6.113	45	128122	42.362	ug/l #	87
23) Vinyl Acetate	6.058	43	450632	233.544	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	91393	48.350	ug/l	98
25) 2-Butanone	6.984	43	79983	233.959	ug/l #	78
26) 2,2-Dichloropropane	6.984	77	83168	43.910	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	63222	50.718	ug/l	82
28) Bromochloromethane	7.332	49	34045	46.994	ug/l #	60
29) Tetrahydrofuran	7.338	42	50054	249.499	ug/l #	70
30) Chloroform	7.509	83	105708	51.806	ug/l	97
31) Cyclohexane	7.783	56	69364	37.690	ug/l	87
32) 1,1,1-Trichloroethane	7.698	97	98382	50.630	ug/l	93
36) 1,1-Dichloropropene	7.911	75	72719	45.430	ug/l	97
37) Ethyl Acetate	7.070	43	35541	49.143	ug/l #	91
38) Carbon Tetrachloride	7.899	117	88505	48.660	ug/l	96
39) Methylcyclohexane	9.179	83	89129	42.887	ug/l	86
40) Benzene	8.161	78	204531	46.472	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	19721m	42.004	ug/l	
42) 1,2-Dichloroethane	8.234	62	67695	50.334	ug/l	93
43) Isopropyl Acetate	8.271	43	71916	48.958	ug/l #	87
44) Trichloroethene	8.935	130	62293	49.893	ug/l	98
45) 1,2-Dichloropropane	9.216	63	47997	45.866	ug/l	95
46) Dibromomethane	9.307	93	33886	52.145	ug/l	97
47) Bromodichloromethane	9.496	83	80813	51.209	ug/l	97
48) Methyl methacrylate	9.289	41	31942	49.070	ug/l #	75
49) 1,4-Dioxane	9.295	88	9146	1307.401	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	180328	247.192	ug/l #	86
52) Toluene	10.240	92	133060	47.150	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	81464	49.441	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	88231	47.988	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	46253	53.664	ug/l	97
56) Ethyl methacrylate	10.508	69	61202	52.805	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	76099	51.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	150579	249.335	ug/l #	85
59) 2-Hexanone	10.831	43	125255	237.823	ug/l	84
60) Dibromochloromethane	10.984	129	60858	55.994	ug/l	100
61) 1,2-Dibromoethane	11.087	107	45095	52.476	ug/l	98
64) Tetrachloroethene	10.715	164	56397	50.899	ug/l	99
65) Chlorobenzene	11.514	112	151109	49.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	60050	51.669	ug/l	99
67) Ethyl Benzene	11.587	91	268374	46.598	ug/l	99
68) m/p-Xylenes	11.697	106	202632	92.965	ug/l	98
69) o-Xylene	12.026	106	98277	47.651	ug/l	99
70) Styrene	12.038	104	166325	49.048	ug/l	99
71) Bromoform	12.203	173	37307	58.281	ug/l #	99
73) Isopropylbenzene	12.325	105	261299	45.496	ug/l	99
74) N-amyl acetate	12.142	43	61993	47.678	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	50068	50.895	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	34970m	46.685	ug/l	
77) Bromobenzene	12.605	156	61954	50.233	ug/l	91
78) n-propylbenzene	12.666	91	305959	44.270	ug/l	98
79) 2-Chlorotoluene	12.752	91	172801	45.354	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	222667	46.805	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	16973	47.095	ug/l	87
82) 4-Chlorotoluene	12.849	91	180226	46.142	ug/l	100
83) tert-Butylbenzene	13.075	119	197059	47.393	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	221119	47.936	ug/l	98
85) sec-Butylbenzene	13.251	105	278955	45.512	ug/l	100
86) p-Isopropyltoluene	13.367	119	234907	46.529	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	117809	49.064	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	116388	48.851	ug/l	97
89) n-Butylbenzene	13.690	91	213166	44.400	ug/l	99
90) Hexachloroethane	13.959	117	46761	48.472	ug/l	85
91) 1,2-Dichlorobenzene	13.733	146	104756	49.537	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9444	56.545	ug/l	80
93) 1,2,4-Trichlorobenzene	15.001	180	67337	53.189	ug/l	99
94) Hexachlorobutadiene	15.111	225	37160	50.606	ug/l	99
95) Naphthalene	15.233	128	154856	56.144	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	60312	55.089	ug/l	98

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

