

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041222\
 Data File : VY008300.D
 Acq On : 12 Apr 2022 20:03
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 08:18:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	117572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	202921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	58221	52.718	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.440%			
35) Dibromofluoromethane	7.716	113	59562	49.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.400%			
50) Toluene-d8	10.179	98	206668	50.399	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.800%			
62) 4-Bromofluorobenzene	12.483	95	79502	51.546	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36464	37.450	ug/l	99
3) Chloromethane	2.113	50	51785	46.597	ug/l	94
4) Vinyl Chloride	2.253	62	70649	42.180	ug/l	100
5) Bromomethane	2.650	94	66659	51.363	ug/l	99
6) Chloroethane	2.796	64	51735	44.100	ug/l	97
7) Trichlorofluoromethane	3.125	101	85417	42.858	ug/l	91
8) Diethyl Ether	3.528	74	34116	47.366	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.899	101	55105	42.565	ug/l	93
10) Methyl Iodide	4.088	142	57581	40.287	ug/l	91
11) Tert butyl alcohol	4.954	59	32619	276.275	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	49418	42.615	ug/l #	80
13) Acrolein	3.723	56	24212	260.442	ug/l	99
14) Allyl chloride	4.479	41	69946	46.216	ug/l #	92
15) Acrylonitrile	5.161	53	92135	261.535	ug/l	97
16) Acetone	3.948	43	63210	237.963	ug/l	90
17) Carbon Disulfide	4.192	76	119921	39.199	ug/l	99
18) Methyl Acetate	4.472	43	37834	60.174	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	182374	50.961	ug/l	94
20) Methylene Chloride	4.710	84	72831	52.246	ug/l #	77
21) trans-1,2-Dichloroethene	5.216	96	61311	44.127	ug/l #	82
22) Diisopropyl ether	6.119	45	178450	49.977	ug/l #	91
23) Vinyl Acetate	6.058	43	617671	266.973	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	109805	47.908	ug/l	97
25) 2-Butanone	6.984	43	111100	267.481	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	99265	47.029	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	81199	49.256	ug/l	81
28) Bromochloromethane	7.332	49	48559	55.274	ug/l #	69
29) Tetrahydrofuran	7.344	42	73663	274.690	ug/l #	71
30) Chloroform	7.509	83	127925	49.985	ug/l	99
31) Cyclohexane	7.783	56	81737	40.929	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	106619	47.623	ug/l	94
36) 1,1-Dichloropropene	7.917	75	83786	43.783	ug/l	95
37) Ethyl Acetate	7.070	43	50882	51.566	ug/l #	89
38) Carbon Tetrachloride	7.899	117	92180	44.775	ug/l	96
39) Methylcyclohexane	9.185	83	105681	42.921	ug/l #	85
40) Benzene	8.161	78	266132	46.702	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	26679m	48.330	ug/l	
42) 1,2-Dichloroethane	8.234	62	82038	49.622	ug/l	90
43) Isopropyl Acetate	8.271	43	96227	52.546	ug/l #	84
44) Trichloroethene	8.941	130	73961	45.541	ug/l	100
45) 1,2-Dichloropropane	9.216	63	68284	49.051	ug/l	93
46) Dibromomethane	9.307	93	47149	51.173	ug/l	95
47) Bromodichloromethane	9.496	83	102838	49.630	ug/l	99
48) Methyl methacrylate	9.289	41	41206	52.931	ug/l #	71
49) 1,4-Dioxane	9.295	88	14385	1209.817	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	261678	276.728	ug/l #	83
52) Toluene	10.246	92	180782	48.150	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	108040	51.162	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	117885	49.481	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	68960	52.469	ug/l	97
56) Ethyl methacrylate	10.508	69	88246	54.764	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	108534	51.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	174936	275.609	ug/l #	88
59) 2-Hexanone	10.831	43	182174	279.979	ug/l	78
60) Dibromochloromethane	10.984	129	80384	52.358	ug/l	100
61) 1,2-Dibromoethane	11.087	107	66690	51.899	ug/l	99
64) Tetrachloroethene	10.721	164	61544	43.032	ug/l	94
65) Chlorobenzene	11.514	112	206606	46.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	79432	48.371	ug/l	97
67) Ethyl Benzene	11.593	91	345131	46.118	ug/l	97
68) m/p-Xylenes	11.703	106	278235	93.485	ug/l	90
69) o-Xylene	12.032	106	137128	47.478	ug/l	89
70) Styrene	12.044	104	234386	49.206	ug/l	94
71) Bromoform	12.209	173	50290	50.806	ug/l #	99
73) Isopropylbenzene	12.331	105	347238	45.258	ug/l	99
74) N-amyl acetate	12.142	43	88714	53.258	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	83453	51.404	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	60354m	52.881	ug/l	
77) Bromobenzene	12.611	156	85890	45.683	ug/l	94
78) n-propylbenzene	12.672	91	411384	45.439	ug/l	98
79) 2-Chlorotoluene	12.758	91	236111	46.470	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	288431	45.846	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	26355	51.667	ug/l #	82
82) 4-Chlorotoluene	12.855	91	245354	46.990	ug/l	95
83) tert-Butylbenzene	13.075	119	258778	45.850	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	291605	46.836	ug/l	97
85) sec-Butylbenzene	13.251	105	381293	45.569	ug/l	99
86) p-Isopropyltoluene	13.367	119	323690	46.357	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	173438	46.579	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	171816	46.622	ug/l	99
89) n-Butylbenzene	13.696	91	286813	45.463	ug/l	98
90) Hexachloroethane	13.959	117	59984	45.963	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	157000	47.392	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12295	52.932	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	88514	45.174	ug/l	99
94) Hexachlorobutadiene	15.111	225	41011	41.228	ug/l	97
95) Naphthalene	15.239	128	213107	50.775	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	79403	46.309	ug/l	99

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

