

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041222\
 Data File : VY008282.D
 Acq On : 12 Apr 2022 10:13
 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 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 08:10:39 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	131025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	209482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62513	50.793	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.580%			
35) Dibromofluoromethane	7.716	113	65886	50.971	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.940%			
50) Toluene-d8	10.179	98	226641	51.241	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.483	95	84900	51.033	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49512	45.630	ug/l	100
3) Chloromethane	2.113	50	61515	50.083	ug/l	94
4) Vinyl Chloride	2.253	62	85736	45.931	ug/l	96
5) Bromomethane	2.650	94	71745	49.434	ug/l	96
6) Chloroethane	2.796	64	59974	45.874	ug/l	93
7) Trichlorofluoromethane	3.125	101	108409	48.809	ug/l	96
8) Diethyl Ether	3.528	74	39238	48.884	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	70673	48.985	ug/l	92
10) Methyl Iodide	4.088	142	79825	49.533	ug/l	91
11) Tert butyl alcohol	4.954	59	34786	264.378	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	62740	48.548	ug/l #	79
13) Acrolein	3.729	56	26532	256.095	ug/l	96
14) Allyl chloride	4.479	41	83548	49.536	ug/l #	90
15) Acrylonitrile	5.161	53	99820	254.257	ug/l	97
16) Acetone	3.942	43	85996	290.503	ug/l #	83
17) Carbon Disulfide	4.192	76	157992	46.341	ug/l	100
18) Methyl Acetate	4.473	43	40224	57.075	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	207833	52.112	ug/l	93
20) Methylene Chloride	4.710	84	79014	50.619	ug/l #	76
21) trans-1,2-Dichloroethene	5.222	96	76218	49.224	ug/l #	82
22) Diisopropyl ether	6.119	45	202931	50.998	ug/l #	89
23) Vinyl Acetate	6.058	43	679734	263.632	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	129206	50.584	ug/l	96
25) 2-Butanone	6.984	43	124739	269.483	ug/l #	72
26) 2,2-Dichloropropane	6.984	77	126407	53.739	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	94826	51.616	ug/l	81
28) Bromochloromethane	7.332	49	48887	49.934	ug/l #	65
29) Tetrahydrofuran	7.344	42	75920	254.039	ug/l #	70
30) Chloroform	7.509	83	147136	51.588	ug/l	98
31) Cyclohexane	7.783	56	103513	46.511	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	129377	51.855	ug/l	93
36) 1,1-Dichloropropene	7.917	75	103751	50.264	ug/l	95
37) Ethyl Acetate	7.070	43	53822	50.570	ug/l #	91
38) Carbon Tetrachloride	7.899	117	116515	52.470	ug/l	99
39) Methylcyclohexane	9.185	83	133305	50.194	ug/l #	81
40) Benzene	8.161	78	310426	50.504	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	28715m	48.227	ug/l	
42) 1,2-Dichloroethane	8.240	62	91304	51.201	ug/l	89
43) Isopropyl Acetate	8.271	43	103984	52.643	ug/l #	84
44) Trichloroethene	8.941	130	89499	51.091	ug/l	96
45) 1,2-Dichloropropane	9.216	63	77138	51.372	ug/l	93
46) Dibromomethane	9.307	93	51720	52.042	ug/l	96
47) Bromodichloromethane	9.496	83	117009	52.353	ug/l	97
48) Methyl methacrylate	9.295	41	43876	52.252	ug/l #	71
49) 1,4-Dioxane	9.295	88	14253	1111.339	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	270016	264.732	ug/l #	81
52) Toluene	10.246	92	206608	51.018	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	121304	53.256	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	137256	53.412	ug/l #	80
55) 1,1,2-Trichloroethane	10.648	97	73727	52.007	ug/l	95
56) Ethyl methacrylate	10.508	69	94297	54.254	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	117634	51.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	170337	248.802	ug/l #	88
59) 2-Hexanone	10.831	43	192622	274.457	ug/l	79
60) Dibromochloromethane	10.984	129	88144	53.228	ug/l	99
61) 1,2-Dibromoethane	11.087	107	71980	51.932	ug/l	99
64) Tetrachloroethene	10.721	164	73354	49.683	ug/l	97
65) Chlorobenzene	11.520	112	231663	50.995	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	89832	52.991	ug/l	97
67) Ethyl Benzene	11.593	91	404175	52.317	ug/l	97
68) m/p-Xylenes	11.703	106	325384	105.902	ug/l	89
69) o-Xylene	12.032	106	155006	51.987	ug/l	91
70) Styrene	12.044	104	267093	54.317	ug/l	94
71) Bromoform	12.209	173	54915	53.741	ug/l #	98
73) Isopropylbenzene	12.331	105	410413	51.898	ug/l	99
74) N-amyl acetate	12.148	43	93481	54.447	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.587	83	88360	52.805	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	56268m	47.831	ug/l	
77) Bromobenzene	12.611	156	96831	49.968	ug/l	92
78) n-propylbenzene	12.672	91	481363	51.584	ug/l	97
79) 2-Chlorotoluene	12.758	91	269482	51.457	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	339753	52.394	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	29757	56.598	ug/l #	80
82) 4-Chlorotoluene	12.855	91	280930	52.200	ug/l	94
83) tert-Butylbenzene	13.075	119	315650	54.260	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	339069	52.836	ug/l	96
85) sec-Butylbenzene	13.258	105	456560	52.938	ug/l	99
86) p-Isopropyltoluene	13.373	119	384373	53.407	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	198267	51.660	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	195761	51.537	ug/l	99
89) n-Butylbenzene	13.703	91	344180	52.931	ug/l	98
90) Hexachloroethane	13.965	117	71177	52.914	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	176961	51.826	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12733	53.184	ug/l	73
93) 1,2,4-Trichlorobenzene	15.013	180	95937	47.504	ug/l	98
94) Hexachlorobutadiene	15.117	225	47598	46.424	ug/l	99
95) Naphthalene	15.239	128	208790	48.263	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	81066	45.870	ug/l	99

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

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