

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040121\
 Data File : VY004249.D
 Acq On : 01 Apr 2021 16:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:40:17 PM

Quant Time: Apr 02 02:11:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	209254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	340174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	305048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	99308	49.37	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.74%		
35) Dibromofluoromethane	7.728	113	86527	45.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.30%		
50) Toluene-d8	10.185	98	335133	47.01	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.02%		
62) 4-Bromofluorobenzene	12.483	95	117715	48.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.36%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	86476	47.72	ug/l	97
3) Chloromethane	2.119	50	123990	50.69	ug/l	100
4) Vinyl Chloride	2.259	62	147639	54.15	ug/l	97
5) Bromomethane	2.656	94	64251	42.84	ug/l	100
6) Chloroethane	2.802	64	82090	46.45	ug/l	97
7) Trichlorofluoromethane	3.137	101	167235	47.20	ug/l	99
8) Diethyl Ether	3.540	74	61627	54.20	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	97149	50.36	ug/l	96
10) Methyl Iodide	4.107	142	107054	48.02	ug/l	99
11) Tert butyl alcohol	4.978	59	51945	317.34	ug/l	98
12) 1,1-Dichloroethene	3.887	96	94034	49.68	ug/l	97
13) Acrolein	3.741	56	34268	261.17	ug/l	97
14) Allyl chloride	4.491	41	180504	59.86	ug/l	93
15) Acrylonitrile	5.180	53	166203	307.14	ug/l	99
16) Acetone	3.960	43	122551	292.42	ug/l	98
17) Carbon Disulfide	4.204	76	269811	54.21	ug/l	99
18) Methyl Acetate	4.491	43	86641	64.59	ug/l	96
19) Methyl tert-butyl Ether	5.241	73	301860	53.99	ug/l	97
20) Methylene Chloride	4.735	84	112363	54.96	ug/l	95
21) trans-1,2-Dichloroethene	5.234	96	109001	51.30	ug/l	88
22) Diisopropyl ether	6.131	45	400545	60.47	ug/l	96
23) Vinyl Acetate	6.076	43	1333232	299.25	ug/l	97
24) 1,1-Dichloroethane	6.033	63	200030	55.43	ug/l	99
25) 2-Butanone	7.002	43	225286	321.79	ug/l	97
26) 2,2-Dichloropropane	6.996	77	173239	51.30	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	125074	51.98	ug/l	97
28) Bromochloromethane	7.344	49	84318	57.48	ug/l	89
29) Tetrahydrofuran	7.362	42	155920	316.10	ug/l	93
30) Chloroform	7.521	83	196064	51.06	ug/l	99
31) Cyclohexane	7.795	56	191180	53.78	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	174192	49.59	ug/l	99
36) 1,1-Dichloropropene	7.929	75	155116	49.95	ug/l	98
37) Ethyl Acetate	7.088	43	102737	56.39	ug/l	99
38) Carbon Tetrachloride	7.911	117	139845	51.79	ug/l	99
39) Methylcyclohexane	9.191	83	199648	51.93	ug/l	98
40) Benzene	8.167	78	452541	51.41	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	53847m	53.35	ug/l	
42) 1,2-Dichloroethane	8.246	62	140641	50.84	ug/l	100
43) Isopropyl Acetate	8.283	43	200691	58.19	ug/l	98
44) Trichloroethene	8.947	130	126229	45.04	ug/l	95
45) 1,2-Dichloropropane	9.222	63	119316	54.84	ug/l	98
46) Dibromomethane	9.313	93	64871	50.71	ug/l	95
47) Bromodichloromethane	9.502	83	155695	51.02	ug/l	98
48) Methyl methacrylate	9.301	41	92302	58.92	ug/l	97
49) 1,4-Dioxane	9.301	88	14125	1032.62	ug/l #	85
51) 4-Methyl-2-Pentanone	10.075	43	524850	298.66	ug/l	98
52) Toluene	10.252	92	286559	50.64	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	172186	52.91	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	192104	52.83	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	89604	51.14	ug/l	99
56) Ethyl methacrylate	10.514	69	134039	55.75	ug/l	93
57) 1,3-Dichloropropane	10.794	76	159824	52.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	243980	237.18	ug/l	95
59) 2-Hexanone	10.837	43	361734	299.41	ug/l	98
60) Dibromochloromethane	10.990	129	105330	50.13	ug/l	100
61) 1,2-Dibromoethane	11.093	107	87838	50.79	ug/l	99
64) Tetrachloroethene	10.721	164	123450	41.13	ug/l	99
65) Chlorobenzene	11.520	112	297476	48.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	106346	48.80	ug/l	99
67) Ethyl Benzene	11.599	91	554562	50.20	ug/l	100
68) m/p-Xylenes	11.709	106	415731	98.00	ug/l	99
69) o-Xylene	12.032	106	195020	49.13	ug/l	99
70) Styrene	12.050	104	328851	49.80	ug/l	100
71) Bromoform	12.215	173	63424	51.11	ug/l #	98
73) Isopropylbenzene	12.337	105	526947	50.66	ug/l	99
74) N-amyl acetate	12.148	43	186331	61.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	103001	53.50	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	61053m	47.23	ug/l	
77) Bromobenzene	12.611	156	119335	49.00	ug/l	92
78) n-propylbenzene	12.672	91	629543	52.31	ug/l	98
79) 2-Chlorotoluene	12.757	91	340963	51.57	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	431249	50.83	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	40939	58.36	ug/l	90
82) 4-Chlorotoluene	12.861	91	359642	51.68	ug/l	98
83) tert-Butylbenzene	13.081	119	372664	50.83	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	433591	50.95	ug/l	99
85) sec-Butylbenzene	13.257	105	520124	51.53	ug/l	98
86) p-Isopropyltoluene	13.373	119	471041	50.17	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	222876	49.06	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	223079	49.71	ug/l	99
89) n-Butylbenzene	13.702	91	452069	52.36	ug/l	99
90) Hexachloroethane	13.965	117	58717	67.47	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	199825	49.00	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17545	48.84	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	136272	47.02	ug/l	99
94) Hexachlorobutadiene	15.117	225	69924	45.37	ug/l	99
95) Naphthalene	15.239	128	307654	50.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	123764	46.74	ug/l	98

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

