

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090821\
 Data File : VY005956.D
 Acq On : 08 Sep 2021 10:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:49:37 AM

Quant Time: Sep 09 04:50:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	252085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	352489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	326936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	173875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115462	45.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.900%
35) Dibromofluoromethane	7.722	113	106245	53.671	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.340%
50) Toluene-d8	10.179	98	433379	52.164	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.483	95	148695	53.302	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	105945	47.069	ug/l	98
3) Chloromethane	2.119	50	107144	44.944	ug/l	99
4) Vinyl Chloride	2.260	62	140085	45.209	ug/l	99
5) Bromomethane	2.656	94	107366	51.356	ug/l	96
6) Chloroethane	2.796	64	87718	47.342	ug/l	98
7) Trichlorofluoromethane	3.131	101	188337	47.583	ug/l	98
8) Diethyl Ether	3.534	74	63120	46.848	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	107223	50.309	ug/l	97
10) Methyl Iodide	4.101	142	120071	44.829	ug/l	96
11) Tert butyl alcohol	4.954	59	78588	157.322	ug/l	99
12) 1,1-Dichloroethene	3.881	96	106548	49.238	ug/l	92
13) Acrolein	3.735	56	19994	245.909	ug/l	98
14) Allyl chloride	4.485	41	163814	45.013	ug/l	95
15) Acrylonitrile	5.168	53	152665	224.052	ug/l	99
16) Acetone	3.954	43	170103	262.609	ug/l	95
17) Carbon Disulfide	4.204	76	318990	46.152	ug/l	99
18) Methyl Acetate	4.485	43	77085	42.863	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	308115	47.429	ug/l	100
20) Methylene Chloride	4.722	84	120620	48.687	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	117712	48.753	ug/l	95
22) Diisopropyl ether	6.125	45	332836	45.013	ug/l	97
23) Vinyl Acetate	6.064	43	1010023	225.090	ug/l	98
24) 1,1-Dichloroethane	6.021	63	197416	46.805	ug/l	98
25) 2-Butanone	6.990	43	220040	240.462	ug/l	96
26) 2,2-Dichloropropane	6.984	77	189645	48.057	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	134892	49.720	ug/l	95
28) Bromochloromethane	7.344	49	84416	48.549	ug/l	89
29) Tetrahydrofuran	7.350	42	131651	222.042	ug/l	97
30) Chloroform	7.509	83	207868	48.026	ug/l	97
31) Cyclohexane	7.789	56	189156	44.147	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	196492	48.758	ug/l	97
36) 1,1-Dichloropropene	7.923	75	165125	49.755	ug/l	99
37) Ethyl Acetate	7.082	43	86426	43.484	ug/l	96
38) Carbon Tetrachloride	7.905	117	185461	51.556	ug/l	99
39) Methylcyclohexane	9.185	83	214099	50.933	ug/l	96
40) Benzene	8.167	78	465800	49.678	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	46502m	42.014	ug/l	
42) 1,2-Dichloroethane	8.240	62	139671	45.859	ug/l	98
43) Isopropyl Acetate	8.277	43	167269	46.334	ug/l	96
44) Trichloroethene	8.941	130	136223	51.806	ug/l	99
45) 1,2-Dichloropropane	9.222	63	112652	48.965	ug/l	98
46) Dibromomethane	9.307	93	66794	50.449	ug/l	97
47) Bromodichloromethane	9.496	83	161757	50.272	ug/l	99
48) Methyl methacrylate	9.295	41	75936	45.766	ug/l	94
49) 1,4-Dioxane	9.301	88	18076	991.340	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	455354	234.102	ug/l	97
52) Toluene	10.246	92	306434	50.710	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	178631	50.068	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	196822	50.280	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	97069	51.187	ug/l	99
56) Ethyl methacrylate	10.514	69	141197	51.439	ug/l	92
57) 1,3-Dichloropropane	10.795	76	164955	50.174	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	347347	245.157	ug/l	98
59) 2-Hexanone	10.837	43	335547	246.925	ug/l	95
60) Dibromochloromethane	10.990	129	125121	53.741	ug/l	100
61) 1,2-Dibromoethane	11.093	107	96428	53.381	ug/l	100
64) Tetrachloroethene	10.721	164	137890	51.511	ug/l	99
65) Chlorobenzene	11.520	112	337445	51.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	127375	51.868	ug/l	99
67) Ethyl Benzene	11.593	91	603856	51.494	ug/l	100
68) m/p-Xylenes	11.703	106	476480	103.039	ug/l	99
69) o-Xylene	12.032	106	226521	52.176	ug/l	97
70) Styrene	12.044	104	384509	51.922	ug/l	99
71) Bromoform	12.209	173	88304	54.540	ug/l	100
73) Isopropylbenzene	12.331	105	595216	51.359	ug/l	99
74) N-amyl acetate	12.142	43	155062	46.635	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	113702	51.553	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	90846m	55.822	ug/l	
77) Bromobenzene	12.611	156	152524	52.251	ug/l	96
78) n-propylbenzene	12.672	91	717138	51.777	ug/l	100
79) 2-Chlorotoluene	12.758	91	401264	52.041	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	503409	51.846	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	42694	49.892	ug/l	96
82) 4-Chlorotoluene	12.855	91	418666	51.753	ug/l	98
83) tert-Butylbenzene	13.075	119	447040	52.673	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	494187	51.310	ug/l	100
85) sec-Butylbenzene	13.251	105	655111	52.373	ug/l	100
86) p-Isopropyltoluene	13.367	119	569055	52.502	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	298772	52.603	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	296513	52.263	ug/l	99
89) n-Butylbenzene	13.696	91	507174	52.298	ug/l	99
90) Hexachloroethane	13.959	117	104318	53.034	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	262106	52.044	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21304	51.503	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	183383	53.944	ug/l	99
94) Hexachlorobutadiene	15.111	225	120669	55.104	ug/l	100
95) Naphthalene	15.239	128	353973	54.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	160551	54.095	ug/l	99

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

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