

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082021\
 Data File : VY005784.D
 Acq On : 20 Aug 2021 11:16
 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

SAM
 8/23/2021 11:05:21 AM

Quant Time: Aug 23 01:04:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	211550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	303672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	282153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	108470	50.653	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.300%			
35) Dibromofluoromethane	7.722	113	87241	51.313	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.620%			
50) Toluene-d8	10.179	98	351103	49.240	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.480%			
62) 4-Bromofluorobenzene	12.483	95	122693	51.961	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	74590	42.929	ug/l	99
3) Chloromethane	2.119	50	88945	42.854	ug/l	99
4) Vinyl Chloride	2.259	62	118239	47.562	ug/l	100
5) Bromomethane	2.655	94	79749	48.736	ug/l	100
6) Chloroethane	2.802	64	77350	51.546	ug/l	98
7) Trichlorofluoromethane	3.131	101	158804	47.710	ug/l	99
8) Diethyl Ether	3.533	74	57138	49.150	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	90486	50.118	ug/l	98
10) Methyl Iodide	4.100	142	102057	45.373	ug/l	99
11) Tert butyl alcohol	4.960	59	52445	247.740	ug/l	99
12) 1,1-Dichloroethene	3.881	96	86401	47.391	ug/l	94
13) Acrolein	3.735	56	25852	202.406	ug/l	98
14) Allyl chloride	4.491	41	157809	49.420	ug/l	100
15) Acrylonitrile	5.173	53	154787	259.802	ug/l	100
16) Acetone	3.954	43	149949	277.734	ug/l	100
17) Carbon Disulfide	4.198	76	240729	42.834	ug/l	99
18) Methyl Acetate	4.484	43	71128	50.372	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	287061	50.826	ug/l	100
20) Methylene Chloride	4.722	84	110911	52.080	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	97345	47.758	ug/l	99
22) Diisopropyl ether	6.124	45	339698	51.566	ug/l	97
23) Vinyl Acetate	6.069	43	1143885	260.921	ug/l	100
24) 1,1-Dichloroethane	6.021	63	185175	50.722	ug/l	99
25) 2-Butanone	6.996	43	215846	270.456	ug/l	99
26) 2,2-Dichloropropane	6.990	77	171453	51.402	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	116465	50.238	ug/l	98
28) Bromochloromethane	7.338	49	72862	50.004	ug/l	97
29) Tetrahydrofuran	7.350	42	136094	257.820	ug/l	99
30) Chloroform	7.514	83	191899	51.500	ug/l	98
31) Cyclohexane	7.789	56	165172	44.968	ug/l	100
32) 1,1,1-Trichloroethane	7.709	97	176027	51.390	ug/l	100
36) 1,1-Dichloropropene	7.923	75	144144	50.608	ug/l	98
37) Ethyl Acetate	7.082	43	89402	51.812	ug/l	100
38) Carbon Tetrachloride	7.905	117	159829	51.631	ug/l	99
39) Methylcyclohexane	9.185	83	176196	48.624	ug/l	98
40) Benzene	8.167	78	413515	50.699	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	46709m	49.891	ug/l	
42) 1,2-Dichloroethane	8.240	62	138723	52.434	ug/l	99
43) Isopropyl Acetate	8.276	43	174108	53.296	ug/l	99
44) Trichloroethene	8.941	130	113477	50.976	ug/l	97
45) 1,2-Dichloropropane	9.221	63	106362	52.125	ug/l	98
46) Dibromomethane	9.313	93	59197	52.467	ug/l	99
47) Bromodichloromethane	9.502	83	149993	53.119	ug/l	98
48) Methyl methacrylate	9.295	41	79502	53.850	ug/l	97
49) 1,4-Dioxane	9.295	88	16663	1062.663	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	477144	277.346	ug/l	100
52) Toluene	10.246	92	264810	50.918	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	165219	52.356	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	179439	52.395	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	87771	53.765	ug/l	97
56) Ethyl methacrylate	10.514	69	131214	53.679	ug/l	98
57) 1,3-Dichloropropane	10.794	76	153874	53.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	350617	300.186	ug/l	100
59) 2-Hexanone	10.837	43	345569	284.194	ug/l	100
60) Dibromochloromethane	10.983	129	107592	53.256	ug/l	99
61) 1,2-Dibromoethane	11.093	107	81580	52.755	ug/l	99
64) Tetrachloroethene	10.721	164	112715	52.482	ug/l	97
65) Chlorobenzene	11.520	112	291646	51.366	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	112727	52.750	ug/l	99
67) Ethyl Benzene	11.593	91	529321	51.412	ug/l	99
68) m/p-Xylenes	11.703	106	412255	103.092	ug/l	100
69) o-Xylene	12.032	106	197638	51.422	ug/l	98
70) Styrene	12.044	104	342897	53.002	ug/l	99
71) Bromoform	12.209	173	74177	53.525	ug/l #	99
73) Isopropylbenzene	12.331	105	523927	49.355	ug/l	100
74) N-amyl acetate	12.142	43	164345	51.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	102293	50.101	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	85849m	54.474	ug/l	
77) Bromobenzene	12.611	156	129857	49.791	ug/l	98
78) n-propylbenzene	12.672	91	633562	50.251	ug/l	100
79) 2-Chlorotoluene	12.757	91	353169	49.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	439806	49.923	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	40232	51.462	ug/l	97
82) 4-Chlorotoluene	12.855	91	367718	50.199	ug/l	99
83) tert-Butylbenzene	13.074	119	390716	49.426	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	439188	50.524	ug/l	99
85) sec-Butylbenzene	13.251	105	577184	50.621	ug/l	99
86) p-Isopropyltoluene	13.367	119	498602	50.934	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	258372	50.771	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	252625	50.041	ug/l	99
89) n-Butylbenzene	13.696	91	455377	51.347	ug/l	99
90) Hexachloroethane	13.958	117	90514	51.428	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	230403	51.257	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19533	50.466	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	160602	52.012	ug/l	99
94) Hexachlorobutadiene	15.111	225	101734	50.885	ug/l	100
95) Naphthalene	15.239	128	318479	52.323	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	143558	52.478	ug/l	100

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

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