

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070884.D
 Acq On : 28 Oct 2021 10:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:38:08 PM

Quant Time: Oct 29 05:21:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	512328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	789144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	716388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	356055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226010	43.862	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.720%
35) Dibromofluoromethane	7.909	113	251952	48.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.840%
50) Toluene-d8	10.332	98	968062	49.453	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.900%
62) 4-Bromofluorobenzene	12.620	95	305339	47.275	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	218481	45.983	ug/l	97
3) Chloromethane	2.209	50	310798	46.217	ug/l	99
4) Vinyl Chloride	2.350	62	356438	47.914	ug/l	100
5) Bromomethane	2.768	94	208720	44.104	ug/l	97
6) Chloroethane	2.921	64	186690	40.620	ug/l	96
7) Trichlorofluoromethane	3.268	101	435378	47.518	ug/l	100
8) Diethyl Ether	3.709	74	127543	50.243	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	289102	48.955	ug/l	99
10) Methyl Iodide	4.297	142	307355	49.552	ug/l	99
11) Tert butyl alcohol	5.215	59	63128	230.520	ug/l	98
12) 1,1-Dichloroethene	4.062	96	268367	51.914	ug/l	97
13) Acrolein	3.921	56	67919	276.569	ug/l	98
14) Allyl chloride	4.709	41	418664	51.699	ug/l	97
15) Acrylonitrile	5.415	53	290818	239.169	ug/l	99
16) Acetone	4.150	43	300097	250.332	ug/l	97
17) Carbon Disulfide	4.403	76	913366	49.980	ug/l	98
18) Methyl Acetate	4.709	43	181719	44.217	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	557885	51.880	ug/l	97
20) Methylene Chloride	4.962	84	315726	47.546	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	314653	51.365	ug/l	94
22) Diisopropyl ether	6.362	45	865779	51.555	ug/l	97
23) Vinyl Acetate	6.297	43	2023209	239.183	ug/l	97
24) 1,1-Dichloroethane	6.262	63	544956	48.147	ug/l	98
25) 2-Butanone	7.203	43	355573	240.985	ug/l	99
26) 2,2-Dichloropropane	7.203	77	447760	49.583	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	341449	52.012	ug/l	95
28) Bromochloromethane	7.538	49	213084	48.009	ug/l	95
29) Tetrahydrofuran	7.556	42	217162	243.616	ug/l	95
30) Chloroform	7.709	83	533087	46.925	ug/l	100
31) Cyclohexane	7.979	56	526944	50.188	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	465476	47.976	ug/l	98
36) 1,1-Dichloropropene	8.109	75	436068	52.814	ug/l	98
37) Ethyl Acetate	7.285	43	154557	50.347	ug/l	99
38) Carbon Tetrachloride	8.091	117	415898	50.091	ug/l	98
39) Methylcyclohexane	9.350	83	502159	52.854	ug/l	93
40) Benzene	8.344	78	1248553	52.013	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	89148	54.897	ug/l #	79
42) 1,2-Dichloroethane	8.420	62	291314	47.665	ug/l	99
43) Isopropyl Acetate	8.444	43	284922	49.931	ug/l	99
44) Trichloroethene	9.108	130	325965	52.559	ug/l	98
45) 1,2-Dichloropropane	9.379	63	288307	45.302	ug/l	98
46) Dibromomethane	9.467	93	147457	47.260	ug/l	93
47) Bromodichloromethane	9.656	83	365025	45.256	ug/l	99
48) Methyl methacrylate	9.450	41	121684	44.631	ug/l	87
49) 1,4-Dioxane	9.456	88	34583	1038.495	ug/l #	95
51) 4-Methyl-2-Pentanone	10.220	43	625499	209.039	ug/l	92
52) Toluene	10.397	92	737841	51.145	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	341467	48.575	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	418395	48.205	ug/l #	92
55) 1,1,2-Trichloroethane	10.791	97	213090	48.154	ug/l	98
56) Ethyl methacrylate	10.655	69	234224	43.587	ug/l	88
57) 1,3-Dichloropropane	10.938	76	330792	44.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	455808	216.668	ug/l	94
59) 2-Hexanone	10.979	43	452143	211.670	ug/l	89
60) Dibromochloromethane	11.132	129	269114	50.685	ug/l	98
61) 1,2-Dibromoethane	11.238	107	200436	49.071	ug/l	99
64) Tetrachloroethene	10.867	164	288845	58.767	ug/l	98
65) Chlorobenzene	11.661	112	779458	53.033	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	289086	53.021	ug/l	99
67) Ethyl Benzene	11.738	91	1403611	54.841	ug/l	97
68) m/p-Xylenes	11.844	106	1160967	116.497	ug/l	96
69) o-Xylene	12.173	106	512241	56.752	ug/l	94
70) Styrene	12.185	104	888556	56.842	ug/l	96
71) Bromoform	12.349	173	155510	53.973	ug/l #	97
73) Isopropylbenzene	12.467	105	1350088	56.849	ug/l	98
74) N-amyl acetate	12.279	43	239941	45.938	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	228632	47.178	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	170046m	48.515	ug/l	
77) Bromobenzene	12.749	156	321506	55.562	ug/l	91
78) n-propylbenzene	12.808	91	1725313	56.599	ug/l	97
79) 2-Chlorotoluene	12.897	91	967719	54.675	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1156962	57.401	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	71027	53.186	ug/l	94
82) 4-Chlorotoluene	12.996	91	1029084	55.947	ug/l	98
83) tert-Butylbenzene	13.214	119	1005286	59.813	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1156216	58.181	ug/l	99
85) sec-Butylbenzene	13.391	105	1550759	58.500	ug/l	99
86) p-Isopropyltoluene	13.502	119	1282186	60.122	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	649701	54.373	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	635154	53.597	ug/l	99
89) n-Butylbenzene	13.832	91	1218445	58.310	ug/l	99
90) Hexachloroethane	14.096	117	245007	51.195	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	553831	54.317	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	34648	49.073	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	336579	57.128	ug/l	99
94) Hexachlorobutadiene	15.249	225	221512	57.065	ug/l	99
95) Naphthalene	15.385	128	563107	50.327	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	291963	57.028	ug/l	99

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

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