

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052521\
 Data File : VD069273.D
 Acq On : 25 May 2021 16:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:29:02 AM

Quant Time: May 26 01:06:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	251606	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	424005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	415823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	246952	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	131783	52.25	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.50%			
35) Dibromofluoromethane	7.908	113	137521	49.84	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.68%			
50) Toluene-d8	10.338	98	494521	48.78	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.56%			
62) 4-Bromofluorobenzene	12.626	95	164631	50.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.92%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	107261	40.10	ug/l	96
3) Chloromethane	2.209	50	153465	49.91	ug/l	97
4) Vinyl Chloride	2.344	62	192935	47.61	ug/l	99
5) Bromomethane	2.762	94	139186	45.66	ug/l	98
6) Chloroethane	2.920	64	133657	51.27	ug/l	99
7) Trichlorofluoromethane	3.267	101	228103	46.14	ug/l	99
8) Diethyl Ether	3.709	74	64347	57.01	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	133356	47.60	ug/l	96
10) Methyl Iodide	4.297	142	121855	41.94	ug/l	99
11) Tert butyl alcohol	5.214	59	45029	360.51	ug/l	95
12) 1,1-Dichloroethene	4.061	96	123864	49.21	ug/l	97
13) Acrolein	3.920	56	46649	227.31	ug/l	100
14) Allyl chloride	4.709	41	149227	54.04	ug/l	94
15) Acrylonitrile	5.414	53	126598	300.54	ug/l	99
16) Acetone	4.156	43	95963	248.41	ug/l	96
17) Carbon Disulfide	4.403	76	394078	47.22	ug/l	95
18) Methyl Acetate	4.709	43	59004	62.86	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	263971	57.79	ug/l	98
20) Methylene Chloride	4.961	84	184498	60.63	ug/l	96
21) trans-1,2-Dichloroethene	5.461	96	149921	50.23	ug/l	96
22) Diisopropyl ether	6.361	45	328442	59.55	ug/l	96
23) Vinyl Acetate	6.303	43	1003828	308.42	ug/l	98
24) 1,1-Dichloroethane	6.255	63	257346	54.02	ug/l	98
25) 2-Butanone	7.208	43	155917	297.85	ug/l #	88
26) 2,2-Dichloropropane	7.202	77	225140	50.53	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	175052	54.02	ug/l	96
28) Bromochloromethane	7.544	49	96183	56.63	ug/l	96
29) Tetrahydrofuran	7.555	42	89325	313.90	ug/l	97
30) Chloroform	7.702	83	289429	53.96	ug/l	94
31) Cyclohexane	7.979	56	168350	45.04	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	251809	51.74	ug/l	99
36) 1,1-Dichloropropene	8.108	75	202448	49.11	ug/l	98
37) Ethyl Acetate	7.285	43	76198	57.53	ug/l #	95
38) Carbon Tetrachloride	8.091	117	219672	47.67	ug/l	97
39) Methylcyclohexane	9.349	83	200105	46.02	ug/l	96
40) Benzene	8.344	78	606668	51.38	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	33962	48.17	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	173762	53.89	ug/l	99
43) Isopropyl Acetate	8.450	43	137415	57.13	ug/l	99
44) Trichloroethene	9.108	130	161435	48.92	ug/l	98
45) 1,2-Dichloropropane	9.385	63	151360	54.31	ug/l	99
46) Dibromomethane	9.467	93	90972	54.60	ug/l	98
47) Bromodichloromethane	9.661	83	227403	53.64	ug/l	99
48) Methyl methacrylate	9.449	41	61443	55.25	ug/l	95
49) 1,4-Dioxane	9.455	88	18827	1160.48	ug/l	88
51) 4-Methyl-2-Pentanone	10.226	43	381244	308.10	ug/l	100
52) Toluene	10.396	92	404876	53.13	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	199951	53.67	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	236940	53.21	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	124020	55.23	ug/l	98
56) Ethyl methacrylate	10.655	69	137002	55.77	ug/l	99
57) 1,3-Dichloropropane	10.943	76	201164	55.43	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	349599	314.49	ug/l	98
59) 2-Hexanone	10.979	43	256001	310.03	ug/l	97
60) Dibromochloromethane	11.138	129	161744	56.08	ug/l	98
61) 1,2-Dibromoethane	11.243	107	119592	53.89	ug/l	97
64) Tetrachloroethene	10.873	164	133148	46.07	ug/l	96
65) Chlorobenzene	11.667	112	435380	50.52	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	164924	50.75	ug/l	98
67) Ethyl Benzene	11.743	91	757389	51.06	ug/l	97
68) m/p-Xylenes	11.849	106	590827	101.65	ug/l	98
69) o-Xylene	12.179	106	270209	52.28	ug/l	100
70) Styrene	12.190	104	489390	54.24	ug/l	98
71) Bromoform	12.355	173	89274	52.81	ug/l #	100
73) Isopropylbenzene	12.473	105	719345	41.68	ug/l	100
74) N-amyl acetate	12.285	43	134339	47.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	142961	45.71	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	101306m	54.57	ug/l	
77) Bromobenzene	12.755	156	176807	43.17	ug/l	98
78) n-propylbenzene	12.814	91	876016	42.06	ug/l	100
79) 2-Chlorotoluene	12.902	91	494003	42.63	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	616398	43.31	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	41407	45.06	ug/l	96
82) 4-Chlorotoluene	13.002	91	521322	42.23	ug/l	99
83) tert-Butylbenzene	13.220	119	594638	50.14	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	717211	50.09	ug/l	99
85) sec-Butylbenzene	13.396	105	862191	48.35	ug/l	100
86) p-Isopropyltoluene	13.508	119	770153	49.15	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	407282	49.13	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	401884	48.95	ug/l	98
89) n-Butylbenzene	13.837	91	700123	47.96	ug/l	100
90) Hexachloroethane	14.102	117	139288	47.44	ug/l	100
91) 1,2-Dichlorobenzene	13.884	146	358927	50.42	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	25483	52.49	ug/l	99
93) 1,2,4-Trichlorobenzene	15.155	180	208701	47.84	ug/l	99
94) Hexachlorobutadiene	15.261	225	118269	45.17	ug/l	99
95) Naphthalene	15.390	128	392748	48.65	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	187147	50.14	ug/l	99

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

