

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052521\
 Data File : VD069266.D
 Acq On : 25 May 2021 11:21
 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
 5/27/2021 10:28:56 AM

Quant Time: May 26 01:03:10 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	7.979	168	259916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	410866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	401242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	201811	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	125609	48.21	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.42%		
35) Dibromofluoromethane	7.914	113	135183	50.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.12%		
50) Toluene-d8	10.338	98	478220	48.68	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.36%		
62) 4-Bromofluorobenzene	12.632	95	157864	49.94	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.88%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	117195	42.41	ug/l	96
3) Chloromethane	2.209	50	147583	46.47	ug/l	99
4) Vinyl Chloride	2.350	62	191072	45.64	ug/l	96
5) Bromomethane	2.768	94	150184	47.69	ug/l	99
6) Chloroethane	2.921	64	137711	51.14	ug/l	98
7) Trichlorofluoromethane	3.273	101	261948	51.29	ug/l	96
8) Diethyl Ether	3.715	74	62924	53.97	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	149755	51.74	ug/l	100
10) Methyl Iodide	4.297	142	132146	43.98	ug/l	99
11) Tert butyl alcohol	5.226	59	38767	292.91	ug/l #	87
12) 1,1-Dichloroethene	4.062	96	135333	52.04	ug/l	99
13) Acrolein	3.926	56	46855	221.01	ug/l	98
14) Allyl chloride	4.715	41	138171	48.44	ug/l	94
15) Acrylonitrile	5.420	53	108717	249.84	ug/l	97
16) Acetone	4.162	43	102523	256.90	ug/l	97
17) Carbon Disulfide	4.409	76	419523	48.67	ug/l	97
18) Methyl Acetate	4.720	43	51100	52.70	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	235141	49.83	ug/l	95
20) Methylene Chloride	4.968	84	149995	45.35	ug/l	99
21) trans-1,2-Dichloroethene	5.473	96	148520	48.17	ug/l	95
22) Diisopropyl ether	6.362	45	304301	53.41	ug/l	96
23) Vinyl Acetate	6.303	43	891099	265.03	ug/l	99
24) 1,1-Dichloroethane	6.267	63	245997	49.98	ug/l	98
25) 2-Butanone	7.209	43	138564	256.23	ug/l	89
26) 2,2-Dichloropropane	7.209	77	226888	49.29	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	161291	48.18	ug/l	99
28) Bromochloromethane	7.544	49	96275	54.87	ug/l	98
29) Tetrahydrofuran	7.561	42	79095	269.07	ug/l	95
30) Chloroform	7.709	83	275103	49.65	ug/l	95
31) Cyclohexane	7.985	56	171794	44.49	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	244448	48.62	ug/l	99
36) 1,1-Dichloropropene	8.114	75	203227	50.88	ug/l	98
37) Ethyl Acetate	7.291	43	64102	49.95	ug/l	97
38) Carbon Tetrachloride	8.091	117	222807	49.90	ug/l	98
39) Methylcyclohexane	9.356	83	207583	49.27	ug/l	97
40) Benzene	8.350	78	590837	51.64	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	35526m	52.00	ug/l	
42) 1,2-Dichloroethane	8.420	62	160535	51.38	ug/l	99
43) Isopropyl Acetate	8.450	43	119889	51.44	ug/l	98
44) Trichloroethene	9.108	130	157431	49.23	ug/l	96
45) 1,2-Dichloropropane	9.385	63	145275	53.79	ug/l	96
46) Dibromomethane	9.473	93	84139	52.12	ug/l	97
47) Bromodichloromethane	9.661	83	215407	52.43	ug/l	99
48) Methyl methacrylate	9.456	41	55290	51.30	ug/l	96
49) 1,4-Dioxane	9.456	88	16013	1016.58	ug/l #	88
51) 4-Methyl-2-Pentanone	10.226	43	331879	276.78	ug/l	99
52) Toluene	10.403	92	386939	52.40	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	184263	51.04	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	217617	50.43	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	116198	53.40	ug/l	94
56) Ethyl methacrylate	10.661	69	115454	48.67	ug/l	97
57) 1,3-Dichloropropane	10.944	76	188603	53.63	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	312487	290.09	ug/l	99
59) 2-Hexanone	10.985	43	225227	281.48	ug/l	98
60) Dibromochloromethane	11.138	129	148546	53.15	ug/l	99
61) 1,2-Dibromoethane	11.244	107	108896	50.64	ug/l	99
64) Tetrachloroethene	10.873	164	132963	47.68	ug/l	94
65) Chlorobenzene	11.667	112	409532	49.25	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.744	131	158551	50.56	ug/l	99
67) Ethyl Benzene	11.744	91	727763	50.85	ug/l	100
68) m/p-Xylenes	11.850	106	580074	103.43	ug/l	99
69) o-Xylene	12.179	106	259606	52.05	ug/l	97
70) Styrene	12.191	104	461631	53.02	ug/l	99
71) Bromoform	12.355	173	81824	50.16	ug/l #	99
73) Isopropylbenzene	12.479	105	695995	49.34	ug/l	100
74) N-amyl acetate	12.285	43	117614	50.99	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	126064	49.32	ug/l	96
76) 1,2,3-Trichloropropane	12.779	75	81465m	53.70	ug/l	
77) Bromobenzene	12.755	156	159040	47.52	ug/l	94
78) n-propylbenzene	12.814	91	876095	51.48	ug/l	100
79) 2-Chlorotoluene	12.902	91	475800	50.25	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	604666	51.99	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	36899	49.13	ug/l	96
82) 4-Chlorotoluene	13.002	91	501103	49.67	ug/l	99
83) tert-Butylbenzene	13.220	119	484792	50.02	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	603548	51.58	ug/l	99
85) sec-Butylbenzene	13.396	105	744691	51.10	ug/l	99
86) p-Isopropyltoluene	13.508	119	665705	51.99	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	340177	50.22	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	323153	48.16	ug/l	99
89) n-Butylbenzene	13.838	91	602408	50.50	ug/l	99
90) Hexachloroethane	14.102	117	118776	49.50	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	288119	49.53	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	18782	47.34	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	166964	46.83	ug/l	97
94) Hexachlorobutadiene	15.261	225	98359	45.97	ug/l	98
95) Naphthalene	15.390	128	285651	43.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	145037	47.55	ug/l	98

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

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