

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052521\
 Data File : VD069269.D
 Acq On : 25 May 2021 13:00
 Operator : VA/SY
 Sample : VD0525SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0525SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:29:00 AM

Quant Time: May 26 01:04:42 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	259803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	421180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	406629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	197166	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	127755	49.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.10%		
35) Dibromofluoromethane	7.914	113	141374	51.58	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.16%		
50) Toluene-d8	10.338	98	503768	50.02	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.04%		
62) 4-Bromofluorobenzene	12.626	95	161347	49.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.58%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	58740	21.27	ug/l	97
3) Chloromethane	2.209	50	68412	21.55	ug/l	99
4) Vinyl Chloride	2.350	62	88125	21.06	ug/l	96
5) Bromomethane	2.756	94	68794	21.86	ug/l	88
6) Chloroethane	2.915	64	63924	23.75	ug/l	100
7) Trichlorofluoromethane	3.268	101	108533	21.26	ug/l	97
8) Diethyl Ether	3.715	74	24468	21.00	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	64421	22.27	ug/l	99
10) Methyl Iodide	4.303	142	50513	17.39	ug/l	100
11) Tert butyl alcohol	5.209	59	27700m	196.46	ug/l	
12) 1,1-Dichloroethene	4.062	96	54536	20.98	ug/l	94
13) Acrolein	3.926	56	14218	67.09	ug/l	93
14) Allyl chloride	4.715	41	60022	21.05	ug/l	97
15) Acrylonitrile	5.426	53	44189	101.59	ug/l	96
16) Acetone	4.156	43	40596	101.77	ug/l	96
17) Carbon Disulfide	4.409	76	178989	20.77	ug/l	97
18) Methyl Acetate	4.720	43	22797	23.52	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	96022	20.36	ug/l	93
20) Methylene Chloride	4.962	84	76248	17.61	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	65647	21.30	ug/l	97
22) Diisopropyl ether	6.362	45	124890	21.93	ug/l	96
23) Vinyl Acetate	6.309	43	340379	101.28	ug/l	97
24) 1,1-Dichloroethane	6.267	63	108036	21.96	ug/l	96
25) 2-Butanone	7.214	43	55977	103.56	ug/l	97
26) 2,2-Dichloropropane	7.203	77	98638	21.44	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	67904	20.29	ug/l	98
28) Bromochloromethane	7.550	49	38833	22.14	ug/l	95
29) Tetrahydrofuran	7.561	42	32117	109.30	ug/l	91
30) Chloroform	7.714	83	117420	21.20	ug/l	97
31) Cyclohexane	7.991	56	78520	20.34	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	110612	22.01	ug/l	98
36) 1,1-Dichloropropene	8.114	75	89127	21.77	ug/l	98
37) Ethyl Acetate	7.285	43	28175	21.42	ug/l	96
38) Carbon Tetrachloride	8.097	117	94368	20.62	ug/l	96
39) Methylcyclohexane	9.355	83	87655	20.29	ug/l	90
40) Benzene	8.350	78	252886	21.56	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	14573	20.81	ug/l #	69
42) 1,2-Dichloroethane	8.426	62	69206	21.61	ug/l	99
43) Isopropyl Acetate	8.456	43	51874	21.71	ug/l	98
44) Trichloroethene	9.108	130	69201	21.11	ug/l	100
45) 1,2-Dichloropropane	9.385	63	60078	21.70	ug/l	99
46) Dibromomethane	9.479	93	35771	21.61	ug/l	95
47) Bromodichloromethane	9.661	83	88750	21.07	ug/l	97
48) Methyl methacrylate	9.455	41	21742	19.68	ug/l	96
49) 1,4-Dioxane	9.455	88	6444	389.05	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	131806	107.23	ug/l	98
52) Toluene	10.402	92	162325	21.44	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	78766	21.28	ug/l	94
54) cis-1,3-Dichloropropene	10.091	75	93714	21.18	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	47670	21.37	ug/l	95
56) Ethyl methacrylate	10.655	69	44426	19.09	ug/l	91
57) 1,3-Dichloropropane	10.944	76	78230	21.70	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	121281	109.83	ug/l	100
59) 2-Hexanone	10.985	43	85599	104.36	ug/l	96
60) Dibromochloromethane	11.138	129	60344	21.06	ug/l	100
61) 1,2-Dibromoethane	11.244	107	45999	20.87	ug/l	98
64) Tetrachloroethene	10.873	164	57309	20.28	ug/l	91
65) Chlorobenzene	11.667	112	173188	20.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	63655	20.03	ug/l	96
67) Ethyl Benzene	11.744	91	292371	20.16	ug/l	99
68) m/p-Xylenes	11.849	106	232629	40.93	ug/l	98
69) o-Xylene	12.179	106	101799	20.14	ug/l	98
70) Styrene	12.191	104	179554	20.35	ug/l	99
71) Bromoform	12.355	173	32258	19.51	ug/l #	99
73) Isopropylbenzene	12.479	105	274374	19.91	ug/l	99
74) N-amyl acetate	12.285	43	47074	20.89	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	51783	20.74	ug/l	94
76) 1,2,3-Trichloropropane	12.779	75	31081m	20.97	ug/l	
77) Bromobenzene	12.755	156	67375	20.60	ug/l	95
78) n-propylbenzene	12.814	91	348691	20.97	ug/l	99
79) 2-Chlorotoluene	12.902	91	192191	20.78	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	236997	20.86	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	15318	20.88	ug/l	94
82) 4-Chlorotoluene	12.996	91	207085	21.01	ug/l	98
83) tert-Butylbenzene	13.220	119	192037	20.28	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	237509	20.78	ug/l	97
85) sec-Butylbenzene	13.396	105	296716	20.84	ug/l	99
86) p-Isopropyltoluene	13.508	119	252630	20.19	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	137306	20.75	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	137135	20.92	ug/l	98
89) n-Butylbenzene	13.838	91	238840	20.49	ug/l	96
90) Hexachloroethane	14.102	117	48168	20.55	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	119669	21.05	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8015	20.68	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	62323	17.89	ug/l	98
94) Hexachlorobutadiene	15.261	225	39644	18.97	ug/l	98
95) Naphthalene	15.390	128	104516	17.58	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	56882	19.09	ug/l	97

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

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