

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069559.D
 Acq On : 25 Jun 2021 12:05
 Operator : VA/SY
 Sample : VD0625SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2021 11:57:28 AM

Quant Time: Jun 26 03:36:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	614392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1075497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	997944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	462497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	396496	51.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.540%	
35) Dibromofluoromethane	7.914	113	380333	52.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.620%	
50) Toluene-d8	10.338	98	1466601	53.781	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.560%	
62) 4-Bromofluorobenzene	12.626	95	491499	54.824	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.640%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	116384	19.749	ug/l	99
3) Chloromethane	2.209	50	163109	18.922	ug/l	99
4) Vinyl Chloride	2.350	62	178385	18.564	ug/l	98
5) Bromomethane	2.756	94	117481	19.183	ug/l	88
6) Chloroethane	2.915	64	120049	18.756	ug/l	97
7) Trichlorofluoromethane	3.268	101	242844	21.281	ug/l	99
8) Diethyl Ether	3.715	74	63697	21.101	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	147956	21.198	ug/l	97
10) Methyl Iodide	4.303	142	104212	18.863	ug/l	99
11) Tert butyl alcohol	5.203	59	49513	97.044	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	124550	20.529	ug/l	97
13) Acrolein	3.920	56	37003	86.809	ug/l	97
14) Allyl chloride	4.709	41	190207	22.363	ug/l	94
15) Acrylonitrile	5.420	53	133350	105.236	ug/l	99
16) Acetone	4.150	43	132449	102.752	ug/l	99
17) Carbon Disulfide	4.409	76	389177	19.483	ug/l	99
18) Methyl Acetate	4.715	43	84542	25.049	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	241892	20.287	ug/l	96
20) Methylene Chloride	4.967	84	191594	19.452	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	152751	20.868	ug/l	98
22) Diisopropyl ether	6.361	45	395034	23.049	ug/l	97
23) Vinyl Acetate	6.303	43	933105	98.107	ug/l	99
24) 1,1-Dichloroethane	6.261	63	296762	21.860	ug/l	98
25) 2-Butanone	7.208	43	168122	102.640	ug/l	94
26) 2,2-Dichloropropane	7.208	77	245334	22.106	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	167649	21.079	ug/l	98
28) Bromochloromethane	7.544	49	109259	20.549	ug/l	95
29) Tetrahydrofuran	7.561	42	94783	105.547	ug/l	94
30) Chloroform	7.708	83	306841	21.382	ug/l	99
31) Cyclohexane	7.985	56	213398	20.695	ug/l	91
32) 1,1,1-Trichloroethane	7.903	97	252625	21.362	ug/l	99
36) 1,1-Dichloropropene	8.108	75	217647	20.620	ug/l	98
37) Ethyl Acetate	7.291	43	80172	20.468	ug/l	99
38) Carbon Tetrachloride	8.091	117	219242	20.987	ug/l	96
39) Methylcyclohexane	9.355	83	204856	19.675	ug/l	97
40) Benzene	8.350	78	644029	21.164	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	38494	16.887	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	183206	20.723	ug/l	100
43) Isopropyl Acetate	8.444	43	148191	20.825	ug/l	98
44) Trichloroethene	9.114	130	157735	20.542	ug/l	98
45) 1,2-Dichloropropane	9.385	63	171467	21.951	ug/l	100
46) Dibromomethane	9.473	93	83733	20.467	ug/l	96
47) Bromodichloromethane	9.661	83	231213	21.047	ug/l	94
48) Methyl methacrylate	9.450	41	72913	21.569	ug/l	91
49) 1,4-Dioxane	9.461	88	14819	367.715	ug/l #	88
51) 4-Methyl-2-Pentanone	10.226	43	379561	101.432	ug/l	99
52) Toluene	10.397	92	399437	21.273	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	197603	20.804	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	239443	20.963	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	117897	20.408	ug/l	95
56) Ethyl methacrylate	10.655	69	117597	19.002	ug/l	96
57) 1,3-Dichloropropane	10.944	76	202511	20.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	316652	95.923	ug/l	100
59) 2-Hexanone	10.979	43	253315	100.316	ug/l	100
60) Dibromochloromethane	11.138	129	140156	20.584	ug/l	99
61) 1,2-Dibromoethane	11.238	107	107004	20.088	ug/l	99
64) Tetrachloroethene	10.873	164	131350	20.959	ug/l	96
65) Chlorobenzene	11.667	112	414931	20.905	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	151343	20.973	ug/l	99
67) Ethyl Benzene	11.738	91	723688	20.873	ug/l	98
68) m/p-Xylenes	11.849	106	564875	43.269	ug/l	99
69) o-Xylene	12.179	106	242452	20.718	ug/l	97
70) Styrene	12.191	104	434640	21.086	ug/l	99
71) Bromoform	12.355	173	70192	19.195	ug/l #	100
73) Isopropylbenzene	12.473	105	668274	20.972	ug/l	99
74) N-amyl acetate	12.285	43	130578	20.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	130514	20.391	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	94592m	20.835	ug/l	
77) Bromobenzene	12.755	156	150088	20.742	ug/l	97
78) n-propylbenzene	12.814	91	862406	21.563	ug/l	99
79) 2-Chlorotoluene	12.896	91	497385	21.768	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	575414	21.457	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	36027	19.814	ug/l	96
82) 4-Chlorotoluene	12.996	91	535505	21.860	ug/l	100
83) tert-Butylbenzene	13.214	119	452389	20.078	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	582435	21.848	ug/l	98
85) sec-Butylbenzene	13.396	105	704046	21.057	ug/l	99
86) p-Isopropyltoluene	13.508	119	600181	21.326	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	312888	21.113	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	299209	20.265	ug/l	96
89) n-Butylbenzene	13.832	91	584851	20.832	ug/l	99
90) Hexachloroethane	14.102	117	115107	20.923	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	266077	20.754	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	18798	19.357	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	143678	20.090	ug/l	97
94) Hexachlorobutadiene	15.255	225	90118	20.083	ug/l	98
95) Naphthalene	15.390	128	232801	18.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	127300	20.194	ug/l	98

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

