

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011321\
 Data File : VD068062.D
 Acq On : 13 Jan 2021 11:07
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Quant Time: Jan 13 12:22:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:57:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	524640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	804842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	744564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	364999	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	194037	43.50	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.00%
35) Dibromofluoromethane	7.914	113	221011	48.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.36%
50) Toluene-d8	10.343	98	778543	46.05	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.10%
62) 4-Bromofluorobenzene	12.632	95	283649	47.89	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.78%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.991	85	83789	18.00	ug/l 91
3) Chloromethane	2.209	50	85939	20.00	ug/l 98
4) Vinyl Chloride	2.350	62	91244	19.40	ug/l 96
5) Bromomethane	2.762	94	73292	20.02	ug/l 100
6) Chloroethane	2.926	64	60982	20.65	ug/l 98
7) Trichlorofluoromethane	3.273	101	181316	19.51	ug/l 96
8) Diethyl Ether	3.709	74	43073	19.31	ug/l 94
9) 1,1,2-Trichlorotrifluo...	4.097	101	101089	19.99	ug/l 97
10) Methyl Iodide	4.303	142	89746	17.32	ug/l 97
11) Tert butyl alcohol	5.220	59	35863m	114.14	ug/l
12) 1,1-Dichloroethene	4.067	96	94791	19.78	ug/l 95
13) Acrolein	3.920	56	32846	94.10	ug/l 99
14) Allyl chloride	4.714	41	109582	19.64	ug/l 99
15) Acrylonitrile	5.420	53	84374	98.16	ug/l 99
16) Acetone	4.161	43	74728	105.69	ug/l 94
17) Carbon Disulfide	4.414	76	283189	19.90	ug/l 97
18) Methyl Acetate	4.720	43	34675	18.76	ug/l 98
19) Methyl tert-butyl Ether	5.479	73	190469	19.41	ug/l # 90
20) Methylene Chloride	4.973	84	111833	15.30	ug/l 98
21) trans-1,2-Dichloroethene	5.473	96	109467	20.39	ug/l 99
22) Diisopropyl ether	6.367	45	238278	21.47	ug/l 97
23) Vinyl Acetate	6.308	43	589083	101.76	ug/l 100
24) 1,1-Dichloroethane	6.261	63	168102	20.00	ug/l 99
25) 2-Butanone	7.214	43	90080	99.56	ug/l 100
26) 2,2-Dichloropropane	7.208	77	166958	19.99	ug/l 98
27) cis-1,2-Dichloroethene	7.220	96	117394	20.25	ug/l 97
28) Bromochloromethane	7.550	49	58147	20.67	ug/l 99
29) Tetrahydrofuran	7.567	42	58338	100.63	ug/l 98
30) Chloroform	7.714	83	197463	20.69	ug/l 94
31) Cyclohexane	7.985	56	147857	19.88	ug/l 95
32) 1,1,1-Trichloroethane	7.902	97	189052	20.44	ug/l 99
36) 1,1-Dichloropropene	8.114	75	143911	20.35	ug/l 99
37) Ethyl Acetate	7.291	43	40847	18.91	ug/l 96
38) Carbon Tetrachloride	8.102	117	171030	20.29	ug/l 96
39) Methylcyclohexane	9.355	83	174796	20.50	ug/l 94
40) Benzene	8.355	78	416500	20.95	ug/l 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	23710m	19.52	ug/l	
42) 1,2-Dichloroethane	8.426	62	114409	20.47	ug/l	100
43) Isopropyl Acetate	8.455	43	84284	20.74	ug/l	99
44) Trichloroethene	9.114	130	125433	20.55	ug/l	100
45) 1,2-Dichloropropane	9.385	63	95183	20.92	ug/l	94
46) Dibromomethane	9.473	93	54476	20.34	ug/l	99
47) Bromodichloromethane	9.667	83	149531	20.62	ug/l #	95
48) Methyl methacrylate	9.461	41	42508	20.22	ug/l	96
49) 1,4-Dioxane	9.461	88	11897	413.67	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	211219	103.75	ug/l	98
52) Toluene	10.408	92	277865	20.85	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	133349	20.94	ug/l	98
54) cis-1,3-Dichloropropene	10.096	75	161734	21.31	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	79113	20.83	ug/l	96
56) Ethyl methacrylate	10.661	69	82586	21.09	ug/l	96
57) 1,3-Dichloropropane	10.949	76	130451	21.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	201267	102.62	ug/l	96
59) 2-Hexanone	10.991	43	145019	102.62	ug/l	97
60) Dibromochloromethane	11.143	129	104702	20.11	ug/l	97
61) 1,2-Dibromoethane	11.249	107	75836	20.90	ug/l	100
64) Tetrachloroethene	10.879	164	108798	20.58	ug/l	96
65) Chlorobenzene	11.673	112	310830	21.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	117785	21.16	ug/l	99
67) Ethyl Benzene	11.749	91	532017	21.02	ug/l	99
68) m/p-Xylenes	11.855	106	417658	42.28	ug/l	99
69) o-Xylene	12.185	106	191056	21.36	ug/l	92
70) Styrene	12.196	104	324773	21.01	ug/l	99
71) Bromoform	12.361	173	60222	20.28	ug/l #	98
73) Isopropylbenzene	12.479	105	524788	21.08	ug/l	100
74) N-amyl acetate	12.290	43	73526	19.00	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	81618	20.81	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	52146m	18.03	ug/l	
77) Bromobenzene	12.761	156	125912	20.94	ug/l	99
78) n-propylbenzene	12.820	91	618780	21.20	ug/l	98
79) 2-Chlorotoluene	12.908	91	346490	20.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	449723	21.03	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	24927	19.34	ug/l	97
82) 4-Chlorotoluene	13.008	91	372312	21.12	ug/l	100
83) tert-Butylbenzene	13.226	119	377142	20.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	440641	21.04	ug/l	97
85) sec-Butylbenzene	13.402	105	524654	20.81	ug/l	100
86) p-Isopropyltoluene	13.514	119	486710	20.81	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	245154	21.14	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	244300	20.87	ug/l	98
89) n-Butylbenzene	13.843	91	426247	20.25	ug/l	100
90) Hexachloroethane	14.114	117	90337	19.95	ug/l	94
91) 1,2-Dichlorobenzene	13.890	146	209242	20.78	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	12114	19.07	ug/l	98
93) 1,2,4-Trichlorobenzene	15.161	180	141372	20.62	ug/l	99
94) Hexachlorobutadiene	15.267	225	89296	20.35	ug/l	98
95) Naphthalene	15.402	128	221097	19.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	116609	19.80	ug/l	99

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

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