

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
 Data File : VD068826.D
 Acq On : 12 Apr 2021 12:12
 Operator : VA/SY
 Sample : VD0412SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:10:26 PM

Quant Time: Apr 13 01:07:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	214665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	353905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	349804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	169458	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	109516	48.27	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.54%
35) Dibromofluoromethane	7.914	113	113811	49.44	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.88%
50) Toluene-d8	10.338	98	464404	53.48	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.96%
62) 4-Bromofluorobenzene	12.632	95	149533	51.85	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.70%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	47659	22.41	ug/l	99
3) Chloromethane	2.209	50	50186	20.07	ug/l	96
4) Vinyl Chloride	2.350	62	64163	20.42	ug/l	98
5) Bromomethane	2.756	94	52695	22.44	ug/l	100
6) Chloroethane	2.920	64	41115	19.92	ug/l	95
7) Trichlorofluoromethane	3.273	101	89923	24.33	ug/l	90
8) Diethyl Ether	3.709	74	22064	22.10	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.097	101	52621	23.59	ug/l	98
10) Methyl Iodide	4.303	142	48384	19.95	ug/l	99
11) Tert butyl alcohol	5.220	59	10536	65.44	ug/l #	73
12) 1,1-Dichloroethene	4.067	96	48913	22.76	ug/l	96
13) Acrolein	3.926	56	8168	91.47	ug/l	98
14) Allyl chloride	4.709	41	51291	21.18	ug/l	98
15) Acrylonitrile	5.432	53	39623	88.44	ug/l	98
16) Acetone	4.162	43	34859	110.96	ug/l	98
17) Carbon Disulfide	4.409	76	154861	22.27	ug/l	97
18) Methyl Acetate	4.709	43	17245	19.98	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	95487	20.03	ug/l	93
20) Methylene Chloride	4.962	84	59063	20.36	ug/l	93
21) trans-1,2-Dichloroethene	5.479	96	56389	20.44	ug/l	96
22) Diisopropyl ether	6.361	45	115999	19.77	ug/l	93
23) Vinyl Acetate	6.309	43	299325	96.26	ug/l	94
24) 1,1-Dichloroethane	6.261	63	90372	20.43	ug/l	99
25) 2-Butanone	7.214	43	44249	99.53	ug/l	96
26) 2,2-Dichloropropane	7.203	77	78505	21.73	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	57963	21.14	ug/l	98
28) Bromochloromethane	7.544	49	25574	16.02	ug/l	89
29) Tetrahydrofuran	7.567	42	27122	90.72	ug/l	97
30) Chloroform	7.708	83	94069	19.43	ug/l	99
31) Cyclohexane	7.985	56	70952	18.80	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	82788	19.57	ug/l	97
36) 1,1-Dichloropropene	8.108	75	78048	21.79	ug/l	99
37) Ethyl Acetate	7.297	43	20865	19.83	ug/l #	95
38) Carbon Tetrachloride	8.097	117	80466	22.69	ug/l	97
39) Methylcyclohexane	9.355	83	91564	21.92	ug/l	99
40) Benzene	8.350	78	223557	21.33	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	13033	20.92	ug/l	94
42) 1,2-Dichloroethane	8.426	62	59271	21.39	ug/l	98
43) Isopropyl Acetate	8.455	43	40496	18.88	ug/l	94
44) Trichloroethene	9.108	130	65640	22.67	ug/l	93
45) 1,2-Dichloropropane	9.385	63	50247	20.07	ug/l	96
46) Dibromomethane	9.473	93	30290	21.72	ug/l	96
47) Bromodichloromethane	9.667	83	76635	21.03	ug/l	100
48) Methyl methacrylate	9.455	41	19790	18.72	ug/l	88
49) 1,4-Dioxane	9.461	88	6106	413.49	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	108355	100.22	ug/l	96
52) Toluene	10.402	92	147654	22.25	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	65295	20.22	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	82075	21.24	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	41794	21.19	ug/l	98
56) Ethyl methacrylate	10.661	69	38454	18.94	ug/l	95
57) 1,3-Dichloropropane	10.944	76	68660	21.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	93257	97.41	ug/l	97
59) 2-Hexanone	10.985	43	74644	103.18	ug/l	99
60) Dibromochloromethane	11.138	129	54544	22.06	ug/l	96
61) 1,2-Dibromoethane	11.244	107	40484	21.12	ug/l	99
64) Tetrachloroethene	10.873	164	53845	21.96	ug/l	96
65) Chlorobenzene	11.667	112	160250	21.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	58264	21.40	ug/l	100
67) Ethyl Benzene	11.744	91	271582	20.71	ug/l	98
68) m/p-Xylenes	11.855	106	212897	42.08	ug/l	99
69) o-Xylene	12.179	106	94411	20.52	ug/l	99
70) Styrene	12.196	104	165892	20.69	ug/l	100
71) Bromoform	12.361	173	29889	20.49	ug/l #	96
73) Isopropylbenzene	12.479	105	259470	20.97	ug/l	100
74) N-amyl acetate	12.291	43	38819	18.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	45820	19.81	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	29468m	19.03	ug/l	
77) Bromobenzene	12.761	156	63322	21.29	ug/l	95
78) n-propylbenzene	12.820	91	317125	21.10	ug/l	98
79) 2-Chlorotoluene	12.902	91	174608	20.80	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	218906	21.16	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	12536	18.79	ug/l	90
82) 4-Chlorotoluene	13.002	91	183644	20.64	ug/l	98
83) tert-Butylbenzene	13.220	119	177872	20.26	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	217668	20.83	ug/l	97
85) sec-Butylbenzene	13.396	105	260515	21.03	ug/l	100
86) p-Isopropyltoluene	13.514	119	239431	21.16	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	120444	20.44	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	119333	20.46	ug/l	99
89) n-Butylbenzene	13.838	91	218257	20.48	ug/l	99
90) Hexachloroethane	14.108	117	46994	20.86	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	104278	20.45	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	6488	18.46	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	66799	21.17	ug/l	98
94) Hexachlorobutadiene	15.261	225	38249	21.17	ug/l	99
95) Naphthalene	15.396	128	105318	19.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	56612	20.51	ug/l	98

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

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