

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042221\
 Data File : VD068945.D
 Acq On : 22 Apr 2021 11:29
 Operator : VA/SY
 Sample : VD0422SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2021 6:13:11 PM

Quant Time: Apr 23 08:43:33 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	266653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	428329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	409719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	206368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	131232	46.57	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.14%			
35) Dibromofluoromethane	7.920	113	143724	51.59	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.18%			
50) Toluene-d8	10.338	98	536781	51.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.14%			
62) 4-Bromofluorobenzene	12.632	95	178758	51.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.42%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	55231	20.90	ug/l	96
3) Chloromethane	2.215	50	57596	18.54	ug/l	96
4) Vinyl Chloride	2.356	62	73576	18.85	ug/l	93
5) Bromomethane	2.762	94	63903	21.91	ug/l	96
6) Chloroethane	2.921	64	51791	20.20	ug/l	88
7) Trichlorofluoromethane	3.279	101	97061	21.14	ug/l	98
8) Diethyl Ether	3.715	74	24671	19.90	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	58060	20.95	ug/l	96
10) Methyl Iodide	4.309	142	53700	18.06	ug/l	97
11) Tert butyl alcohol	5.226	59	16581	91.96	ug/l #	84
12) 1,1-Dichloroethene	4.073	96	53469	20.03	ug/l	93
13) Acrolein	3.926	56	7749	69.86	ug/l	96
14) Allyl chloride	4.709	41	56779	18.88	ug/l	96
15) Acrylonitrile	5.426	53	45723	82.16	ug/l	97
16) Acetone	4.150	43	37906	97.13	ug/l	99
17) Carbon Disulfide	4.415	76	170631	19.75	ug/l	100
18) Methyl Acetate	4.721	43	19880	18.54	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	96065	16.22	ug/l	100
20) Methylene Chloride	4.973	84	70789	19.46	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	60237	17.57	ug/l	99
22) Diisopropyl ether	6.367	45	129158	17.72	ug/l	98
23) Vinyl Acetate	6.309	43	321736	83.30	ug/l	97
24) 1,1-Dichloroethane	6.267	63	99285	18.07	ug/l	97
25) 2-Butanone	7.215	43	51542	93.33	ug/l	92
26) 2,2-Dichloropropane	7.209	77	93952	20.93	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	71405	20.96	ug/l	97
28) Bromochloromethane	7.556	49	34414	17.35	ug/l	93
29) Tetrahydrofuran	7.567	42	30508	82.15	ug/l #	77
30) Chloroform	7.709	83	116361	19.35	ug/l	96
31) Cyclohexane	7.991	56	82247	17.54	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	102208	19.45	ug/l	96
36) 1,1-Dichloropropene	8.114	75	82401	19.01	ug/l	98
37) Ethyl Acetate	7.291	43	24919	19.57	ug/l	98
38) Carbon Tetrachloride	8.097	117	90176	21.01	ug/l	96
39) Methylcyclohexane	9.356	83	94888	18.77	ug/l	98
40) Benzene	8.356	78	250364	19.73	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.544	41	16307m	21.63	ug/l	
42) 1,2-Dichloroethane	8.426	62	66851	19.93	ug/l	98
43) Isopropyl Acetate	8.450	43	46395	17.87	ug/l	100
44) Trichloroethene	9.114	130	73433	20.96	ug/l	89
45) 1,2-Dichloropropane	9.391	63	59394	19.60	ug/l	92
46) Dibromomethane	9.479	93	34974	20.72	ug/l	95
47) Bromodichloromethane	9.661	83	88471	20.06	ug/l	92
48) Methyl methacrylate	9.456	41	22796	17.82	ug/l	94
49) 1,4-Dioxane	9.461	88	6933	387.92	ug/l	98
51) 4-Methyl-2-Pentanone	10.232	43	114918	87.83	ug/l	98
52) Toluene	10.403	92	166626	20.74	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	76734	19.63	ug/l	95
54) cis-1,3-Dichloropropene	10.091	75	96313	20.60	ug/l	99
55) 1,1,2-Trichloroethane	10.803	97	49109	20.57	ug/l	95
56) Ethyl methacrylate	10.661	69	43895	17.86	ug/l	98
57) 1,3-Dichloropropane	10.950	76	77604	19.74	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	104678	91.58	ug/l	99
59) 2-Hexanone	10.985	43	78564	89.73	ug/l	99
60) Dibromochloromethane	11.144	129	61464	20.54	ug/l	99
61) 1,2-Dibromoethane	11.250	107	44291	19.09	ug/l	96
64) Tetrachloroethene	10.879	164	60629	21.11	ug/l	96
65) Chlorobenzene	11.673	112	179468	20.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	64836	20.33	ug/l	96
67) Ethyl Benzene	11.744	91	303643	19.77	ug/l	99
68) m/p-Xylenes	11.850	106	237986	40.16	ug/l	100
69) o-Xylene	12.179	106	105341	19.55	ug/l	99
70) Styrene	12.191	104	185807	19.78	ug/l	99
71) Bromoform	12.361	173	35847	20.98	ug/l #	100
73) Isopropylbenzene	12.479	105	293447	19.47	ug/l	99
74) N-amyl acetate	12.285	43	42477	16.62	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	50343	17.87	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	35964m	19.08	ug/l	
77) Bromobenzene	12.761	156	71194	19.65	ug/l	96
78) n-propylbenzene	12.820	91	349929	19.12	ug/l	98
79) 2-Chlorotoluene	12.908	91	194220	19.00	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	243269	19.31	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	14426	17.76	ug/l	100
82) 4-Chlorotoluene	13.002	91	211245	19.49	ug/l	96
83) tert-Butylbenzene	13.220	119	202446	18.94	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	244343	19.20	ug/l	97
85) sec-Butylbenzene	13.402	105	286305	18.98	ug/l	99
86) p-Isopropyltoluene	13.514	119	262423	19.05	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	141407	19.70	ug/l	98
88) 1,4-Dichlorobenzene	13.597	146	139781	19.68	ug/l	97
89) n-Butylbenzene	13.844	91	239491	18.46	ug/l	99
90) Hexachloroethane	14.108	117	53557	19.52	ug/l	96
91) 1,2-Dichlorobenzene	13.891	146	121380	19.54	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.508	75	7264	16.97	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	73445	19.11	ug/l	98
94) Hexachlorobutadiene	15.267	225	42794	19.45	ug/l	97
95) Naphthalene	15.396	128	117000	17.48	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	60714	18.06	ug/l	98

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

