

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068518.D
 Acq On : 04 Mar 2021 11:41
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2021 10:11:48 AM

Quant Time: Mar 04 23:59:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	292120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	485926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	443243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	213454	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	131548	45.07	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.14%		
35) Dibromofluoromethane	7.914	113	148826	50.84	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.68%		
50) Toluene-d8	10.338	98	567996	48.72	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.44%		
62) 4-Bromofluorobenzene	12.632	95	187269	49.84	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.68%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	55998	19.75	ug/l	91
3) Chloromethane	2.209	50	68509	19.12	ug/l	96
4) Vinyl Chloride	2.350	62	80981	19.04	ug/l	96
5) Bromomethane	2.756	94	60168	19.86	ug/l	97
6) Chloroethane	2.921	64	53443	19.43	ug/l	93
7) Trichlorofluoromethane	3.273	101	99049	20.41	ug/l	92
8) Diethyl Ether	3.709	74	26946	18.65	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	61256	20.72	ug/l	96
10) Methyl Iodide	4.303	142	52878	16.79	ug/l	94
11) Tert butyl alcohol	5.226	59	17204	110.40	ug/l	96
12) 1,1-Dichloroethene	4.068	96	56544	19.27	ug/l	96
13) Acrolein	3.926	56	19186	86.14	ug/l	98
14) Allyl chloride	4.720	41	72511	19.14	ug/l	97
15) Acrylonitrile	5.420	53	64064	105.06	ug/l	98
16) Acetone	4.150	43	44764	96.56	ug/l	96
17) Carbon Disulfide	4.409	76	187530	19.51	ug/l	99
18) Methyl Acetate	4.715	43	23036	19.28	ug/l	90
19) Methyl tert-butyl Ether	5.473	73	137045	21.55	ug/l	99
20) Methylene Chloride	4.962	84	79546	20.49	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	79506	22.70	ug/l	95
22) Diisopropyl ether	6.362	45	158053	18.95	ug/l #	92
23) Vinyl Acetate	6.303	43	391081	90.37	ug/l	99
24) 1,1-Dichloroethane	6.267	63	111609	19.52	ug/l	97
25) 2-Butanone	7.209	43	61289	91.97	ug/l	96
26) 2,2-Dichloropropane	7.209	77	97832	20.54	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	75505	19.63	ug/l	97
28) Bromochloromethane	7.544	49	42375	18.99	ug/l	85
29) Tetrahydrofuran	7.561	42	38515	89.00	ug/l	97
30) Chloroform	7.709	83	120428	19.94	ug/l	95
31) Cyclohexane	7.985	56	100003	18.84	ug/l	96
32) 1,1,1-Trichloroethane	7.909	97	106521	20.67	ug/l	95
36) 1,1-Dichloropropene	8.114	75	95235	20.62	ug/l	96
37) Ethyl Acetate	7.297	43	29222	19.07	ug/l	95
38) Carbon Tetrachloride	8.097	117	92477	21.31	ug/l	98
39) Methylcyclohexane	9.355	83	116441	20.44	ug/l	96
40) Benzene	8.350	78	265905	20.07	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	18446m	20.74	ug/l	
42) 1,2-Dichloroethane	8.426	62	70161	20.14	ug/l	99
43) Isopropyl Acetate	8.450	43	53317	18.93	ug/l	97
44) Trichloroethene	9.114	130	76198	20.95	ug/l	92
45) 1,2-Dichloropropane	9.391	63	64226	20.28	ug/l	99
46) Dibromomethane	9.479	93	36074	20.94	ug/l	93
47) Bromodichloromethane	9.661	83	93283	20.93	ug/l	99
48) Methyl methacrylate	9.456	41	28161	18.76	ug/l	94
49) 1,4-Dioxane	9.467	88	7200	366.39	ug/l #	84
51) 4-Methyl-2-Pentanone	10.232	43	138283	93.82	ug/l	99
52) Toluene	10.403	92	173124	20.46	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	84198	20.44	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	101257	20.15	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	49424	20.73	ug/l	94
56) Ethyl methacrylate	10.661	69	52835	19.28	ug/l	97
57) 1,3-Dichloropropane	10.950	76	83830	20.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	129839	94.42	ug/l	95
59) 2-Hexanone	10.985	43	94541	96.23	ug/l	97
60) Dibromochloromethane	11.138	129	59827	20.27	ug/l	98
61) 1,2-Dibromoethane	11.250	107	46790	20.05	ug/l	98
64) Tetrachloroethene	10.879	164	62105	21.46	ug/l	96
65) Chlorobenzene	11.673	112	186530	20.66	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	66524	21.20	ug/l	98
67) Ethyl Benzene	11.744	91	329806	20.47	ug/l	99
68) m/p-Xylenes	11.850	106	257581	42.09	ug/l	95
69) o-Xylene	12.179	106	115218	20.44	ug/l	94
70) Styrene	12.197	104	199054	20.65	ug/l	98
71) Bromoform	12.361	173	32324	20.28	ug/l #	98
73) Isopropylbenzene	12.479	105	316842	20.01	ug/l	100
74) N-amyl acetate	12.291	43	51321	19.03	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	53212	19.54	ug/l	96
76) 1,2,3-Trichloropropane	12.785	75	35827m	18.91	ug/l	
77) Bromobenzene	12.761	156	74561	20.64	ug/l	96
78) n-propylbenzene	12.820	91	382470	20.22	ug/l	97
79) 2-Chlorotoluene	12.908	91	202461	19.28	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	258537	19.92	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	15303	18.85	ug/l	95
82) 4-Chlorotoluene	13.002	91	222269	20.12	ug/l	100
83) tert-Butylbenzene	13.220	119	223334	20.22	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	262271	20.18	ug/l	99
85) sec-Butylbenzene	13.402	105	318967	20.44	ug/l	99
86) p-Isopropyltoluene	13.514	119	289041	20.40	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	142345	20.40	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	142407	20.60	ug/l	99
89) n-Butylbenzene	13.838	91	278652	20.39	ug/l	96
90) Hexachloroethane	14.108	117	59114	21.00	ug/l	93
91) 1,2-Dichlorobenzene	13.891	146	123306	20.60	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9139	19.04	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	93746	20.28	ug/l	99
94) Hexachlorobutadiene	15.267	225	54693	21.32	ug/l	98
95) Naphthalene	15.396	128	156319	18.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	80131	20.02	ug/l	99

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

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