

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065143.D
 Acq On : 11 Feb 2020 11:47
 Operator : VA/SY
 Sample : VD0211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:48 PM

Quant Time: Feb 12 07:12:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208945	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
35) Dibromofluoromethane	7.92	113	211082	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
50) Toluene-d8	10.34	98	824713	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	260313	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81752	21.295	ug/l	97
3) Chloromethane	2.21	50	107683	23.828	ug/l	96
4) Vinyl Chloride	2.35	62	111280	23.284	ug/l	100
5) Bromomethane	2.76	94	66679	21.517	ug/l	97
6) Chloroethane	2.92	64	68164	22.992	ug/l	92
7) Trichlorofluoromethane	3.27	101	161729	23.253	ug/l	99
8) Diethyl Ether	3.70	74	43228	21.650	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91956	21.627	ug/l	97
10) Methyl Iodide	4.29	142	88434	18.222	ug/l	98
11) Tert butyl alcohol	5.25	59	22250	92.878	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	88496	21.732	ug/l	99
13) Acrolein	3.93	56	25801	87.564	ug/l	98
14) Allyl chloride	4.71	41	145642	21.519	ug/l	97
15) Acrylonitrile	5.43	53	94928	108.745	ug/l	99
16) Acetone	4.16	43	97872	99.840	ug/l	96
17) Carbon Disulfide	4.40	76	289080	22.109	ug/l	96
18) Methyl Acetate	4.73	43	47485	23.185	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	183028	20.325	ug/l	96
20) Methylene Chloride	4.96	84	107150	22.670	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	100116	21.730	ug/l	98
22) Diisopropyl ether	6.37	45	285617	22.373	ug/l	99
23) Vinyl Acetate	6.31	43	744067	104.570	ug/l	99
24) 1,1-Dichloroethane	6.26	63	174483	22.581	ug/l	99
25) 2-Butanone	7.23	43	123758	105.836	ug/l	96
26) 2,2-Dichloropropane	7.21	77	155249	22.416	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106387	21.736	ug/l	98
28) Bromochloromethane	7.55	49	57980	19.794	ug/l	99
29) Tetrahydrofuran	7.57	42	74603	105.499	ug/l	97
30) Chloroform	7.71	83	177338	23.049	ug/l	97
31) Cyclohexane	7.99	56	165694	21.243	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	159666	22.278	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138634	21.939	ug/l	98
37) Ethyl Acetate	7.30	43	55213	21.387	ug/l	99
38) Carbon Tetrachloride	8.10	117	146307	22.669	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161087	20.653	ug/l	98
40) Benzene	8.35	78	393110	22.528	ug/l	100
41) Methacrylonitrile	7.54	41	37427m	26.315	ug/l	
42) 1,2-Dichloroethane	8.43	62	109414	22.005	ug/l	98
43) Isopropyl Acetate	8.46	43	104189	21.098	ug/l	100
44) Trichloroethene	9.11	130	110900	22.141	ug/l	99
45) 1,2-Dichloropropane	9.39	63	98326	23.501	ug/l	98
46) Dibromomethane	9.48	93	50768	23.092	ug/l	98
47) Bromodichloromethane	9.67	83	134031	23.137	ug/l	98
48) Methyl methacrylate	9.46	41	47271	19.892	ug/l	95
49) 1,4-Dioxane	9.47	88	11837	454.573	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	257148	105.789	ug/l	99
52) Toluene	10.41	92	251013	22.538	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	125843	22.312	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147997	21.940	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	67922	22.524	ug/l	97
56) Ethyl methacrylate	10.67	69	80165	21.010	ug/l	97
57) 1,3-Dichloropropane	10.95	76	119115	22.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124490	88.720	ug/l	99
59) 2-Hexanone	10.99	43	185294	107.619	ug/l	97
60) Dibromochloromethane	11.14	129	90520	23.175	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67109	22.775	ug/l	98
64) Tetrachloroethene	10.88	164	94705	21.484	ug/l	99
65) Chlorobenzene	11.68	112	266862	22.491	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96783	22.100	ug/l	99
67) Ethyl Benzene	11.75	91	462446	21.452	ug/l	98
68) m/p-Xylenes	11.86	106	366622	44.559	ug/l	98
69) o-Xylene	12.18	106	156837	21.168	ug/l	98
70) Styrene	12.20	104	284822	22.118	ug/l	99
71) Bromoform	12.37	173	52090	22.099	ug/l	# 99
73) Isopropylbenzene	12.48	105	440090	21.454	ug/l	99
74) N-amyl acetate	12.30	43	91143	20.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73144	22.656	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	49223m	21.754	ug/l	
77) Bromobenzene	12.77	156	106092	21.466	ug/l	98
78) n-propylbenzene	12.83	91	530516	22.084	ug/l	99
79) 2-Chlorotoluene	12.91	91	288237	21.526	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	363333	21.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	23632	20.887	ug/l	99
82) 4-Chlorotoluene	13.01	91	310288	22.064	ug/l	100
83) tert-Butylbenzene	13.23	119	295297	20.396	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	359185	21.559	ug/l	99
85) sec-Butylbenzene	13.41	105	427981	21.643	ug/l	100
86) p-Isopropyltoluene	13.53	119	392230	21.348	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	204316	22.080	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	199835	21.698	ug/l	99
89) n-Butylbenzene	13.86	91	366752	21.627	ug/l	99
90) Hexachloroethane	14.12	117	78170	22.469	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	172884	21.812	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11216	21.282	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115739	20.431	ug/l	100
94) Hexachlorobutadiene	15.28	225	72123	20.706	ug/l	96
95) Naphthalene	15.41	128	177947	18.899	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	98207	20.267	ug/l	97

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

