

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065126.D
 Acq On : 10 Feb 2020 11:59
 Operator : VA/SY
 Sample : VD0210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:09:29 PM

Quant Time: Feb 11 08:17:21 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	452554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288516	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	215279	55.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.94%	
35) Dibromofluoromethane	7.91	113	213292	57.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.46%	
50) Toluene-d8	10.34	98	840234	57.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.26%	
62) 4-Bromofluorobenzene	12.64	95	261157	56.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	83356	22.134	ug/l	100
3) Chloromethane	2.21	50	109361	24.669	ug/l	96
4) Vinyl Chloride	2.35	62	110439	23.556	ug/l	99
5) Bromomethane	2.76	94	68139	22.415	ug/l	97
6) Chloroethane	2.92	64	67208	23.109	ug/l	95
7) Trichlorofluoromethane	3.27	101	162496	23.816	ug/l	98
8) Diethyl Ether	3.70	74	42237	21.563	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93701	22.464	ug/l	99
10) Methyl Iodide	4.30	142	90591	19.028	ug/l	97
11) Tert butyl alcohol	5.24	59	28234	120.142	ug/l	95
12) 1,1-Dichloroethene	4.06	96	88653	22.192	ug/l	95
13) Acrolein	3.93	56	28991	100.297	ug/l	94
14) Allyl chloride	4.71	41	144847	21.817	ug/l	99
15) Acrylonitrile	5.43	53	93011	108.615	ug/l	98
16) Acetone	4.16	43	100759	104.777	ug/l	98
17) Carbon Disulfide	4.40	76	292497	22.804	ug/l	99
18) Methyl Acetate	4.72	43	47140	23.463	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	180931	20.482	ug/l	97
20) Methylene Chloride	4.96	84	103755	22.322	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	101486	22.455	ug/l	90
22) Diisopropyl ether	6.37	45	278903	22.271	ug/l	97
23) Vinyl Acetate	6.31	43	735733	105.403	ug/l	99
24) 1,1-Dichloroethane	6.27	63	173321	22.865	ug/l	98
25) 2-Butanone	7.23	43	125891	109.747	ug/l	92
26) 2,2-Dichloropropane	7.21	77	158721	23.361	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105678	22.009	ug/l	99
28) Bromochloromethane	7.54	49	60085	20.911	ug/l	100
29) Tetrahydrofuran	7.57	42	76229	109.888	ug/l	98
30) Chloroform	7.71	83	171138	22.675	ug/l	99
31) Cyclohexane	7.98	56	166886	21.811	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	162772	23.152	ug/l	99
36) 1,1-Dichloropropene	8.11	75	144506	23.467	ug/l	98
37) Ethyl Acetate	7.30	43	55367	22.008	ug/l	99
38) Carbon Tetrachloride	8.10	117	143806	22.865	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159306	20.959	ug/l	94
40) Benzene	8.35	78	391427	23.019	ug/l	99
41) Methacrylonitrile	7.53	41	30526	22.025	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	110022	22.707	ug/l	97
43) Isopropyl Acetate	8.46	43	103496	21.506	ug/l	99
44) Trichloroethene	9.11	130	111017	22.745	ug/l	96
45) 1,2-Dichloropropane	9.39	63	95788	23.494	ug/l	93
46) Dibromomethane	9.48	93	49208	22.968	ug/l	98
47) Bromodichloromethane	9.67	83	132094	23.400	ug/l	94
48) Methyl methacrylate	9.46	41	48416	20.908	ug/l	98
49) 1,4-Dioxane	9.47	88	10790	425.217	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	255894	108.030	ug/l	99
52) Toluene	10.41	92	249259	22.966	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	123659	22.499	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	147607	22.455	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	68426	23.285	ug/l	96
56) Ethyl methacrylate	10.67	69	77733	20.906	ug/l	99
57) 1,3-Dichloropropane	10.95	76	118244	22.883	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	124422	91.521	ug/l	99
59) 2-Hexanone	10.99	43	180212	107.408	ug/l	100
60) Dibromochloromethane	11.14	129	87510	22.991	ug/l	99
61) 1,2-Dibromoethane	11.26	107	64123	22.332	ug/l	99
64) Tetrachloroethene	10.88	164	94677	21.865	ug/l	93
65) Chlorobenzene	11.67	112	260120	22.317	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96342	22.396	ug/l	99
67) Ethyl Benzene	11.75	91	464170	21.920	ug/l	100
68) m/p-Xylenes	11.86	106	359379	44.465	ug/l	100
69) o-Xylene	12.18	106	155239	21.329	ug/l	99
70) Styrene	12.20	104	276952	21.894	ug/l	100
71) Bromoform	12.37	173	51975	22.447	ug/l #	99
73) Isopropylbenzene	12.48	105	430335	21.731	ug/l	99
74) N-amyl acetate	12.30	43	88955	20.667	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70686	22.680	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	46608m	21.337	ug/l	
77) Bromobenzene	12.77	156	103307	21.653	ug/l	99
78) n-propylbenzene	12.83	91	519112	22.384	ug/l	100
79) 2-Chlorotoluene	12.91	91	282175	21.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	354227	21.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23827	21.815	ug/l	99
82) 4-Chlorotoluene	13.01	91	295103	21.737	ug/l	99
83) tert-Butylbenzene	13.23	119	295593	21.149	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	351320	21.843	ug/l	99
85) sec-Butylbenzene	13.41	105	417157	21.853	ug/l	99
86) p-Isopropyltoluene	13.53	119	393334	22.177	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	196329	21.978	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197436	22.206	ug/l	99
89) n-Butylbenzene	13.86	91	352633	21.540	ug/l	99
90) Hexachloroethane	14.12	117	77157	22.973	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	169401	22.140	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11831	23.254	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112106	20.499	ug/l	100
94) Hexachlorobutadiene	15.28	225	68742	20.443	ug/l	98
95) Naphthalene	15.41	128	175482	19.306	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	97173	20.773	ug/l	98

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

