

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066645.D
 Acq On : 11 Sep 2020 13:44
 Operator : VA/SY
 Sample : VD0911SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:06:40 PM

Quant Time: Sep 12 00:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	345828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	582269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	523020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	229099	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
35) Dibromofluoromethane	7.91	113	214848	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	10.34	98	790864	56.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.66%	
62) 4-Bromofluorobenzene	12.63	95	260748	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72784	23.389	ug/l	88
3) Chloromethane	2.21	50	92300	21.104	ug/l	99
4) Vinyl Chloride	2.35	62	99320	20.475	ug/l	95
5) Bromomethane	2.76	94	66800	18.958	ug/l	93
6) Chloroethane	2.92	64	60757	19.720	ug/l	96
7) Trichlorofluoromethane	3.27	101	153376	21.404	ug/l	99
8) Diethyl Ether	3.70	74	39935	22.131	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	79994	20.626	ug/l	99
10) Methyl Iodide	4.30	142	72049	22.752	ug/l	98
11) Tert butyl alcohol	5.21	59	40520	133.697	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	76309	21.901	ug/l	80
13) Acrolein	3.92	56	13439	78.552	ug/l	85
14) Allyl chloride	4.71	41	121661	21.306	ug/l	99
15) Acrylonitrile	5.43	53	85851	110.754	ug/l	98
16) Acetone	4.16	43	88938	115.522	ug/l	100
17) Carbon Disulfide	4.40	76	249107	21.748	ug/l	97
18) Methyl Acetate	4.71	43	41202	22.450	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	174911	21.407	ug/l	98
20) Methylene Chloride	4.96	84	109267	22.388	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88531	21.397	ug/l	96
22) Diisopropyl ether	6.36	45	259443	22.094	ug/l	97
23) Vinyl Acetate	6.30	43	702539	105.133	ug/l	98
24) 1,1-Dichloroethane	6.26	63	165109	22.359	ug/l	98
25) 2-Butanone	7.21	43	111989	108.361	ug/l	92
26) 2,2-Dichloropropane	7.20	77	146520	21.631	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	92498	20.789	ug/l	93
28) Bromochloromethane	7.54	49	56667	19.932	ug/l	96
29) Tetrahydrofuran	7.56	42	67159	104.342	ug/l	99
30) Chloroform	7.71	83	168934	21.624	ug/l	100
31) Cyclohexane	7.98	56	140363	20.563	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	155829	21.216	ug/l	98
36) 1,1-Dichloropropene	8.11	75	129805	21.421	ug/l	99
37) Ethyl Acetate	7.28	43	44378	18.392	ug/l	95
38) Carbon Tetrachloride	8.09	117	138360	21.602	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	136682	20.200	ug/l	98
40) Benzene	8.35	78	357760	21.557	ug/l	99
41) Methacrylonitrile	7.53	41	26672m	22.836	ug/l	
42) 1,2-Dichloroethane	8.42	62	111123	20.666	ug/l	98
43) Isopropyl Acetate	8.45	43	94533	20.444	ug/l	97
44) Trichloroethene	9.11	130	92259	21.193	ug/l	90
45) 1,2-Dichloropropane	9.38	63	90599	21.708	ug/l	95
46) Dibromomethane	9.47	93	49170	21.354	ug/l	96
47) Bromodichloromethane	9.66	83	129548	20.795	ug/l	97
48) Methyl methacrylate	9.45	41	50176	21.459	ug/l	95
49) 1,4-Dioxane	9.46	88	10455	413.870	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	248320	106.480	ug/l	98
52) Toluene	10.40	92	229081	21.806	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	117336	21.336	ug/l	88
54) cis-1,3-Dichloropropene	10.08	75	137324	20.793	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	64249	21.701	ug/l	94
56) Ethyl methacrylate	10.66	69	71438	20.724	ug/l	96
57) 1,3-Dichloropropane	10.94	76	111913	21.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	194303	123.234	ug/l	100
59) 2-Hexanone	10.98	43	169545	108.109	ug/l	98
60) Dibromochloromethane	11.14	129	85991	21.965	ug/l	96
61) 1,2-Dibromoethane	11.24	107	59609	20.695	ug/l	97
64) Tetrachloroethene	10.87	164	74791	21.238	ug/l	98
65) Chlorobenzene	11.67	112	231585	21.454	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	87297	21.189	ug/l	99
67) Ethyl Benzene	11.74	91	413440	20.859	ug/l	98
68) m/p-Xylenes	11.85	106	322342	43.798	ug/l	98
69) o-Xylene	12.18	106	140969	21.373	ug/l	98
70) Styrene	12.20	104	247593	21.592	ug/l	99
71) Bromoform	12.36	173	43975	21.180	ug/l #	99
73) Isopropylbenzene	12.48	105	387997	21.081	ug/l	100
74) N-amyl acetate	12.29	43	82269	19.735	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	70184	21.584	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54563m	22.822	ug/l	
77) Bromobenzene	12.76	156	88763	21.632	ug/l	98
78) n-propylbenzene	12.82	91	481896	21.598	ug/l	99
79) 2-Chlorotoluene	12.91	91	267474	21.369	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	331615	21.406	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21592	21.085	ug/l	98
82) 4-Chlorotoluene	13.00	91	288589	21.560	ug/l	99
83) tert-Butylbenzene	13.23	119	272307	21.526	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	335864	21.776	ug/l	97
85) sec-Butylbenzene	13.40	105	388952	21.341	ug/l	100
86) p-Isopropyltoluene	13.52	119	353650	21.558	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	171374	21.037	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	174701	21.367	ug/l	97
89) n-Butylbenzene	13.84	91	330490	20.674	ug/l	99
90) Hexachloroethane	14.11	117	73594	20.821	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	149629	21.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11252	20.371	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87474	20.470	ug/l	98
94) Hexachlorobutadiene	15.27	225	50770	19.776	ug/l	97
95) Naphthalene	15.41	128	155064	20.766	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	78445	21.532	ug/l	98

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

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