

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065485.D
 Acq On : 12 Mar 2020 11:51
 Operator : VA/SY
 Sample : VD0312SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:07:00 PM

Quant Time: Mar 13 05:07:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	609832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	190073	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.92	113	201292	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.34	98	781934	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.64	95	250684	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82987	21.125	ug/l	98
3) Chloromethane	2.21	50	98386	20.744	ug/l	99
4) Vinyl Chloride	2.36	62	96411	20.609	ug/l	97
5) Bromomethane	2.77	94	63919	21.674	ug/l	95
6) Chloroethane	2.93	64	60976	21.282	ug/l	96
7) Trichlorofluoromethane	3.27	101	145260	21.073	ug/l	98
8) Diethyl Ether	3.71	74	42420	20.694	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	93724	21.112	ug/l	99
10) Methyl Iodide	4.30	142	88829	19.260	ug/l	98
11) Tert butyl alcohol	5.26	59	20141m	89.554	ug/l	
12) 1,1-Dichloroethene	4.07	96	86313	20.304	ug/l	92
13) Acrolein	3.93	56	31010	79.949	ug/l	97
14) Allyl chloride	4.71	41	127427	19.513	ug/l	99
15) Acrylonitrile	5.44	53	90347	101.311	ug/l	99
16) Acetone	4.17	43	77563	97.813	ug/l	100
17) Carbon Disulfide	4.41	76	282125	19.929	ug/l	98
18) Methyl Acetate	4.73	43	40120	19.945	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	160919	19.684	ug/l	96
20) Methylene Chloride	4.97	84	101049	21.496	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	96881	20.487	ug/l	100
22) Diisopropyl ether	6.37	45	255869	21.077	ug/l	94
23) Vinyl Acetate	6.31	43	675465	100.211	ug/l	100
24) 1,1-Dichloroethane	6.27	63	161527	20.745	ug/l	97
25) 2-Butanone	7.23	43	106127	98.072	ug/l	98
26) 2,2-Dichloropropane	7.21	77	141283	20.763	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	99959	20.680	ug/l	99
28) Bromochloromethane	7.56	49	64918	20.839	ug/l	100
29) Tetrahydrofuran	7.57	42	66943	96.870	ug/l	99
30) Chloroform	7.72	83	166384	21.379	ug/l	96
31) Cyclohexane	7.99	56	153264	19.685	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	148497	20.647	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135212	21.122	ug/l	99
37) Ethyl Acetate	7.30	43	49612	20.051	ug/l	99
38) Carbon Tetrachloride	8.10	117	137999	20.788	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151904	19.647	ug/l	93
40) Benzene	8.36	78	387143	21.630	ug/l	99
41) Methacrylonitrile	7.54	41	24738	18.905	ug/l	91
42) 1,2-Dichloroethane	8.43	62	99305	21.247	ug/l	100
43) Isopropyl Acetate	8.46	43	88746	19.425	ug/l	97
44) Trichloroethene	9.11	130	106189	21.008	ug/l	90
45) 1,2-Dichloropropane	9.39	63	92617	21.362	ug/l	99
46) Dibromomethane	9.48	93	47901	21.300	ug/l	97
47) Bromodichloromethane	9.67	83	124300	21.245	ug/l	98
48) Methyl methacrylate	9.46	41	40739m	18.957	ug/l	
49) 1,4-Dioxane	9.47	88	10079	391.808	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	236671	102.943	ug/l	98
52) Toluene	10.41	92	240763	21.353	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	111918	20.470	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	137492	20.775	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	68917	21.636	ug/l	98
56) Ethyl methacrylate	10.67	69	70519	19.638	ug/l	98
57) 1,3-Dichloropropane	10.95	76	113162	20.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	112400	101.459	ug/l	99
59) 2-Hexanone	10.99	43	156734	98.482	ug/l	97
60) Dibromochloromethane	11.15	129	87709	21.482	ug/l	100
61) 1,2-Dibromoethane	11.26	107	63886	21.027	ug/l	99
64) Tetrachloroethene	10.88	164	91976	21.048	ug/l	97
65) Chlorobenzene	11.68	112	256186	21.229	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	95778	21.792	ug/l	97
67) Ethyl Benzene	11.75	91	427397	20.497	ug/l	100
68) m/p-Xylenes	11.86	106	341453	42.468	ug/l	99
69) o-Xylene	12.19	106	145747	20.608	ug/l	98
70) Styrene	12.20	104	261863	21.038	ug/l	100
71) Bromoform	12.37	173	52613	21.311	ug/l #	97
73) Isopropylbenzene	12.49	105	399834	19.853	ug/l	100
74) N-amyl acetate	12.30	43	79135	19.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70876	20.021	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	60369m	24.987	ug/l	
77) Bromobenzene	12.77	156	103966	20.778	ug/l	99
78) n-propylbenzene	12.83	91	490575	20.530	ug/l	100
79) 2-Chlorotoluene	12.91	91	275629	20.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	341699	20.638	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	21995	19.211	ug/l	98
82) 4-Chlorotoluene	13.01	91	300672	21.247	ug/l	100
83) tert-Butylbenzene	13.23	119	277391	19.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	341175	20.905	ug/l	100
85) sec-Butylbenzene	13.41	105	410092	20.511	ug/l	100
86) p-Isopropyltoluene	13.53	119	373250	20.458	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	200055	20.796	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	198677	20.762	ug/l	100
89) n-Butylbenzene	13.85	91	342255	20.291	ug/l	99
90) Hexachloroethane	14.12	117	76278	20.302	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	170435	20.819	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10496	19.468	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110346	19.888	ug/l	98
94) Hexachlorobutadiene	15.28	225	75315	20.658	ug/l	99
95) Naphthalene	15.41	128	162886	19.427	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	98160	20.473	ug/l	100

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

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