

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065069.D
 Acq On : 05 Feb 2020 17:42
 Operator : VA/SY
 Sample : VD0205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:31 AM

Quant Time: Feb 06 05:52:53 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	528548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	782280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	697342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	243734	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.92	113	236667	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
50) Toluene-d8	10.34	98	929046	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.64	95	290137	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89957	20.452	ug/l	96
3) Chloromethane	2.21	50	116328	22.468	ug/l	100
4) Vinyl Chloride	2.35	62	117462	21.452	ug/l	98
5) Bromomethane	2.76	94	76965	21.678	ug/l	100
6) Chloroethane	2.92	64	75269	22.160	ug/l	97
7) Trichlorofluoromethane	3.27	101	173578	21.782	ug/l	97
8) Diethyl Ether	3.70	74	45777	20.011	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98487	20.217	ug/l	96
10) Methyl Iodide	4.29	142	103464	18.608	ug/l	97
11) Tert butyl alcohol	5.24	59	31702	115.503	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	95056	20.374	ug/l	99
13) Acrolein	3.93	56	34714	102.829	ug/l	97
14) Allyl chloride	4.71	41	159891	20.620	ug/l	99
15) Acrylonitrile	5.43	53	102314	102.300	ug/l	99
16) Acetone	4.17	43	109971	97.915	ug/l	97
17) Carbon Disulfide	4.40	76	312131	20.836	ug/l	99
18) Methyl Acetate	4.73	43	49575	21.127	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	210289	20.382	ug/l	98
20) Methylene Chloride	4.97	84	112641	20.448	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	108724	20.597	ug/l	97
22) Diisopropyl ether	6.37	45	309923	21.190	ug/l #	92
23) Vinyl Acetate	6.31	43	844698	103.615	ug/l	98
24) 1,1-Dichloroethane	6.26	63	185864	20.995	ug/l	98
25) 2-Butanone	7.23	43	133063	99.321	ug/l	96
26) 2,2-Dichloropropane	7.21	77	167216	21.073	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	116016	20.688	ug/l	100
28) Bromochloromethane	7.56	49	67662	20.162	ug/l	97
29) Tetrahydrofuran	7.58	42	82652	102.017	ug/l	99
30) Chloroform	7.71	83	188880	21.427	ug/l	94
31) Cyclohexane	7.98	56	177746	19.890	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	173062	21.076	ug/l	100
36) 1,1-Dichloropropene	8.12	75	152844	21.012	ug/l	99
37) Ethyl Acetate	7.30	43	61874	20.821	ug/l	98
38) Carbon Tetrachloride	8.10	117	151320	20.368	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	180677	20.123	ug/l	98
40) Benzene	8.36	78	421262	20.972	ug/l	98
41) Methacrylonitrile	7.54	41	33461	20.438	ug/l	96
42) 1,2-Dichloroethane	8.43	62	121359	21.204	ug/l	99
43) Isopropyl Acetate	8.46	43	112510	19.792	ug/l	98
44) Trichloroethene	9.11	130	117039	20.299	ug/l	99
45) 1,2-Dichloropropane	9.39	63	102126	21.205	ug/l	100
46) Dibromomethane	9.48	93	53675	21.209	ug/l	98
47) Bromodichloromethane	9.67	83	143107	21.461	ug/l	95
48) Methyl methacrylate	9.46	41	55252	20.198	ug/l	97
49) 1,4-Dioxane	9.46	88	12594	420.154	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	284180	101.563	ug/l	98
52) Toluene	10.41	92	267267	20.847	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	133790	20.607	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	162685	20.951	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	73240	21.099	ug/l	99
56) Ethyl methacrylate	10.67	69	87432	19.907	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125024	20.482	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	140156	86.321	ug/l	100
59) 2-Hexanone	10.99	43	200644	101.236	ug/l	99
60) Dibromochloromethane	11.14	129	95420	21.223	ug/l	99
61) 1,2-Dibromoethane	11.25	107	70407	20.758	ug/l	100
64) Tetrachloroethene	10.88	164	103908	20.737	ug/l	99
65) Chlorobenzene	11.68	112	282769	20.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	103199	20.731	ug/l	98
67) Ethyl Benzene	11.75	91	507353	20.705	ug/l	98
68) m/p-Xylenes	11.86	106	387215	41.401	ug/l	99
69) o-Xylene	12.18	106	173012	20.542	ug/l	98
70) Styrene	12.20	104	304352	20.792	ug/l	98
71) Bromoform	12.37	173	55949	20.881	ug/l #	99
73) Isopropylbenzene	12.48	105	474696	20.764	ug/l	99
74) N-amyl acetate	12.30	43	100448	20.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	73931	20.548	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	52638m	20.873	ug/l	
77) Bromobenzene	12.77	156	115644	20.995	ug/l	97
78) n-propylbenzene	12.83	91	557958	20.840	ug/l	99
79) 2-Chlorotoluene	12.91	91	310691	20.819	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	387984	20.744	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25938	20.570	ug/l	97
82) 4-Chlorotoluene	13.01	91	328543	20.962	ug/l	100
83) tert-Butylbenzene	13.23	119	325346	20.163	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	385425	20.757	ug/l	99
85) sec-Butylbenzene	13.41	105	456563	20.717	ug/l	100
86) p-Isopropyltoluene	13.53	119	427476	20.877	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	217068	21.048	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	214391	20.887	ug/l	98
89) n-Butylbenzene	13.86	91	387624	20.510	ug/l	100
90) Hexachloroethane	14.12	117	79864	20.598	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	180999	20.490	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12332	20.996	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	131954	20.900	ug/l	99
94) Hexachlorobutadiene	15.28	225	81421	20.974	ug/l	98
95) Naphthalene	15.41	128	207374	19.762	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	109982	20.366	ug/l	99

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

