

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065415.D
 Acq On : 04 Mar 2020 17:18
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:07 PM

Quant Time: Mar 05 02:10:46 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	499217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	735445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	664302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213178	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.91	113	221742	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.34	98	877350	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.64	95	272486	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93528	21.799	ug/l	97
3) Chloromethane	2.21	50	106699	20.599	ug/l	98
4) Vinyl Chloride	2.35	62	104577	20.469	ug/l	100
5) Bromomethane	2.76	94	67827	20.908	ug/l	100
6) Chloroethane	2.92	64	64475	20.605	ug/l	97
7) Trichlorofluoromethane	3.27	101	153706	20.417	ug/l	98
8) Diethyl Ether	3.71	74	45687	20.407	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	100425	20.712	ug/l	98
10) Methyl Iodide	4.30	142	99277	19.709	ug/l	98
11) Tert butyl alcohol	5.24	59	22362	91.039	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	93625	20.166	ug/l	99
13) Acrolein	3.91	56	41660	98.343	ug/l	99
14) Allyl chloride	4.70	41	141426	19.829	ug/l	99
15) Acrylonitrile	5.43	53	98318	100.946	ug/l	99
16) Acetone	4.16	43	81126	93.674	ug/l	99
17) Carbon Disulfide	4.40	76	316676	20.482	ug/l	99
18) Methyl Acetate	4.72	43	44029	20.042	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	184217	20.633	ug/l	97
20) Methylene Chloride	4.96	84	106590	20.634	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	105763	20.478	ug/l	96
22) Diisopropyl ether	6.37	45	279932	21.114	ug/l	98
23) Vinyl Acetate	6.31	43	751918	102.140	ug/l	98
24) 1,1-Dichloroethane	6.26	63	172786	20.318	ug/l	98
25) 2-Butanone	7.22	43	116194	98.315	ug/l	95
26) 2,2-Dichloropropane	7.20	77	151687	20.411	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105776	20.037	ug/l	99
28) Bromochloromethane	7.55	49	68154	20.031	ug/l	99
29) Tetrahydrofuran	7.57	42	76468	101.316	ug/l	98
30) Chloroform	7.71	83	178200	20.965	ug/l	98
31) Cyclohexane	7.98	56	172201	20.251	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	156083	19.871	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142142	20.163	ug/l	99
37) Ethyl Acetate	7.30	43	53529	19.645	ug/l	99
38) Carbon Tetrachloride	8.09	117	147702	20.205	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168497	19.789	ug/l	97
40) Benzene	8.35	78	399089	20.247	ug/l	97
41) Methacrylonitrile	7.52	41	30704	21.307	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	104757	20.353	ug/l	100
43) Isopropyl Acetate	8.46	43	99859	19.848	ug/l	98
44) Trichloroethene	9.11	130	114521	20.574	ug/l	99
45) 1,2-Dichloropropane	9.39	63	95852	20.076	ug/l	97
46) Dibromomethane	9.47	93	50539	20.407	ug/l	99
47) Bromodichloromethane	9.66	83	130356	20.232	ug/l	97
48) Methyl methacrylate	9.46	41	46473	19.637	ug/l	99
49) 1,4-Dioxane	9.47	88	11307	399.136	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	258375	102.051	ug/l	99
52) Toluene	10.41	92	254774	20.518	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	119942	19.920	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	147327	20.215	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	70367	20.061	ug/l	99
56) Ethyl methacrylate	10.67	69	80605	20.384	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122325	20.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	133720	109.432	ug/l	99
59) 2-Hexanone	10.99	43	174218	99.404	ug/l	98
60) Dibromochloromethane	11.14	129	91886	20.436	ug/l	100
61) 1,2-Dibromoethane	11.25	107	67568	20.195	ug/l	99
64) Tetrachloroethene	10.88	164	96978	20.373	ug/l	98
65) Chlorobenzene	11.67	112	268239	20.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98850	20.647	ug/l	98
67) Ethyl Benzene	11.75	91	464935	20.469	ug/l	100
68) m/p-Xylenes	11.86	106	364306	41.595	ug/l	99
69) o-Xylene	12.18	106	159068	20.647	ug/l	99
70) Styrene	12.20	104	284448	20.979	ug/l	99
71) Bromoform	12.37	173	55273	20.553	ug/l #	99
73) Isopropylbenzene	12.48	105	433407	19.738	ug/l	100
74) N-amyl acetate	12.30	43	88004	19.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	76360	19.784	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	50329m	19.106	ug/l	
77) Bromobenzene	12.77	156	110033	20.170	ug/l	98
78) n-propylbenzene	12.83	91	529738	20.333	ug/l	99
79) 2-Chlorotoluene	12.91	91	291499	19.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364590	20.197	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24427	19.569	ug/l	98
82) 4-Chlorotoluene	13.01	91	309423	20.054	ug/l	100
83) tert-Butylbenzene	13.23	119	297851	19.503	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	362605	20.378	ug/l	100
85) sec-Butylbenzene	13.41	105	437423	20.066	ug/l	100
86) p-Isopropyltoluene	13.53	119	401297	20.174	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	209829	20.006	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	209161	20.048	ug/l	99
89) n-Butylbenzene	13.85	91	365695	19.886	ug/l	100
90) Hexachloroethane	14.12	117	82204	20.067	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	179382	20.098	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11148	18.965	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118760	19.632	ug/l	100
94) Hexachlorobutadiene	15.28	225	78393	19.722	ug/l	99
95) Naphthalene	15.41	128	181925	19.793	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	104726	20.034	ug/l	100

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

