

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065406.D
 Acq On : 04 Mar 2020 11:32
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:29 PM

Quant Time: Mar 04 16:14:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	459022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	629251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	79363	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
35) Dibromofluoromethane	7.92	113	82327	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
50) Toluene-d8	10.34	98	316077	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
62) 4-Bromofluorobenzene	12.64	95	99304	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90740	22.797	ug/l	99
3) Chloromethane	2.21	50	103356	21.677	ug/l	99
4) Vinyl Chloride	2.35	62	100561	21.330	ug/l	97
5) Bromomethane	2.76	94	63689	21.024	ug/l	99
6) Chloroethane	2.92	64	62131	21.593	ug/l	98
7) Trichlorofluoromethane	3.27	101	147758	21.257	ug/l	98
8) Diethyl Ether	3.70	74	44359	21.372	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	92417	20.656	ug/l	99
10) Methyl Iodide	4.30	142	98124	21.241	ug/l	99
11) Tert butyl alcohol	5.24	59	22743m	106.220	ug/l	
12) 1,1-Dichloroethene	4.06	96	87768	20.502	ug/l	92
13) Acrolein	3.92	56	41788	106.975	ug/l	98
14) Allyl chloride	4.71	41	135731	20.580	ug/l	98
15) Acrylonitrile	5.43	53	96484	105.818	ug/l	99
16) Acetone	4.17	43	83467	103.362	ug/l	99
17) Carbon Disulfide	4.40	76	303669	21.248	ug/l	98
18) Methyl Acetate	4.73	43	43432	21.038	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177328	21.310	ug/l	94
20) Methylene Chloride	4.97	84	103232	20.620	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	100974	21.145	ug/l	95
22) Diisopropyl ether	6.37	45	273600	22.107	ug/l	99
23) Vinyl Acetate	6.31	43	725543	105.709	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168216	21.398	ug/l	99
25) 2-Butanone	7.23	43	114507	103.646	ug/l	97
26) 2,2-Dichloropropane	7.21	77	139056	20.238	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	104662	21.372	ug/l	99
28) Bromochloromethane	7.55	49	69217	21.705	ug/l	99
29) Tetrahydrofuran	7.57	42	75396	106.235	ug/l	100
30) Chloroform	7.71	83	169512	21.442	ug/l	99
31) Cyclohexane	7.98	56	155641	19.896	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	150679	20.768	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132752	20.533	ug/l	99
37) Ethyl Acetate	7.30	43	54652	21.598	ug/l	98
38) Carbon Tetrachloride	8.10	117	136244	20.416	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	153516	19.873	ug/l	92
40) Benzene	8.36	78	385294	21.260	ug/l	99
41) Methacrylonitrile	7.53	41	28794	22.392	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	103657	21.736	ug/l	99
43) Isopropyl Acetate	8.46	43	93717	20.237	ug/l	98
44) Trichloroethene	9.11	130	106323	20.898	ug/l	100
45) 1,2-Dichloropropane	9.39	63	93906	21.335	ug/l	95
46) Dibromomethane	9.48	93	50477	22.056	ug/l	100
47) Bromodichloromethane	9.67	83	128344	21.601	ug/l	92
48) Methyl methacrylate	9.46	41	45303	20.680	ug/l	96
49) 1,4-Dioxane	9.47	88	11481	435.830	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	253359	108.181	ug/l	97
52) Toluene	10.41	92	242043	21.176	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119719	21.415	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145024	21.480	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	69952	21.613	ug/l	97
56) Ethyl methacrylate	10.67	69	78032	21.265	ug/l	99
57) 1,3-Dichloropropane	10.95	76	119151	21.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	200081	153.376	ug/l	100
59) 2-Hexanone	10.99	43	168415	103.734	ug/l	99
60) Dibromochloromethane	11.14	129	90344	21.678	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67152	21.724	ug/l	99
64) Tetrachloroethene	10.88	164	93192	20.618	ug/l	97
65) Chlorobenzene	11.68	112	260678	20.824	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96160	21.040	ug/l	98
67) Ethyl Benzene	11.75	91	443867	20.569	ug/l	100
68) m/p-Xylenes	11.86	106	348693	41.914	ug/l	98
69) o-Xylene	12.18	106	149990	20.498	ug/l	97
70) Styrene	12.20	104	273192	21.165	ug/l	99
71) Bromoform	12.37	173	54086	20.979	ug/l #	100
73) Isopropylbenzene	12.48	105	407995	19.839	ug/l	100
74) N-amyl acetate	12.30	43	85249	20.074	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	76819	21.057	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51015m	11.796	ug/l	
77) Bromobenzene	12.77	156	104564	20.278	ug/l	98
78) n-propylbenzene	12.83	91	500261	20.440	ug/l	99
79) 2-Chlorotoluene	12.91	91	284138	20.637	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	348890	20.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23179	19.752	ug/l	97
82) 4-Chlorotoluene	13.01	91	300553	20.705	ug/l	99
83) tert-Butylbenzene	13.23	119	278812	19.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	350683	20.982	ug/l	100
85) sec-Butylbenzene	13.41	105	409375	20.065	ug/l	100
86) p-Isopropyltoluene	13.53	119	378142	20.303	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	201214	20.431	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203202	20.683	ug/l	99
89) n-Butylbenzene	13.85	91	346055	20.134	ug/l	99
90) Hexachloroethane	14.12	117	78773	20.483	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	174662	20.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	19.961	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114069	20.085	ug/l	99
94) Hexachlorobutadiene	15.28	225	72719	19.574	ug/l	99
95) Naphthalene	15.41	128	173698	19.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99143	20.098	ug/l	98

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

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