

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065066.D
 Acq On : 05 Feb 2020 16:01
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV020520

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:24 AM

Quant Time: Feb 06 05:45:30 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	7.99	168	585362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	847549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	736162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	347758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	263981	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.92	113	270046	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
50) Toluene-d8	10.34	98	1061914	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
62) 4-Bromofluorobenzene	12.64	95	330839	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	272388	55.918	ug/l	96
3) Chloromethane	2.21	50	313404	54.656	ug/l	95
4) Vinyl Chloride	2.35	62	337869	55.715	ug/l	95
5) Bromomethane	2.77	94	220804	56.155	ug/l	96
6) Chloroethane	2.93	64	204822	54.449	ug/l	96
7) Trichlorofluoromethane	3.27	101	500314	56.691	ug/l	97
8) Diethyl Ether	3.71	74	126778	50.040	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	292453	54.207	ug/l	98
10) Methyl Iodide	4.30	142	345694	56.138	ug/l	100
11) Tert butyl alcohol	5.24	59	74778	246.004	ug/l	99
12) 1,1-Dichloroethene	4.06	96	284972	55.151	ug/l	99
13) Acrolein	3.93	56	85130	227.696	ug/l	96
14) Allyl chloride	4.71	41	467237	54.408	ug/l	100
15) Acrylonitrile	5.43	53	281074	253.759	ug/l	100
16) Acetone	4.17	43	303290	243.831	ug/l	97
17) Carbon Disulfide	4.40	76	914467	55.120	ug/l	99
18) Methyl Acetate	4.73	43	129139	49.692	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	592865	51.886	ug/l	98
20) Methylene Chloride	4.97	84	295187	54.230	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	314869	53.861	ug/l	98
22) Diisopropyl ether	6.37	45	857112	52.914	ug/l	99
23) Vinyl Acetate	6.31	43	2452954	271.687	ug/l	99
24) 1,1-Dichloroethane	6.27	63	520877	53.126	ug/l	99
25) 2-Butanone	7.23	43	368669	248.473	ug/l	99
26) 2,2-Dichloropropane	7.21	77	483054	54.967	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	327004	52.653	ug/l	98
28) Bromochloromethane	7.55	49	198425	53.388	ug/l	99
29) Tetrahydrofuran	7.57	42	228732	254.921	ug/l	98
30) Chloroform	7.71	83	521824	53.452	ug/l	96
31) Cyclohexane	7.99	56	517602	52.298	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	495943	54.536	ug/l	99
36) 1,1-Dichloropropene	8.11	75	439304	55.742	ug/l	100
37) Ethyl Acetate	7.30	43	166883	51.833	ug/l	98
38) Carbon Tetrachloride	8.10	117	449827	55.886	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	546310	56.161	ug/l	98
40) Benzene	8.36	78	1181790	54.303	ug/l	100
41) Methacrylonitrile	7.53	41	92823	52.331	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	327871	52.873	ug/l	99
43) Isopropyl Acetate	8.46	43	320865	52.097	ug/l	100
44) Trichloroethene	9.11	130	330838	52.962	ug/l	96
45) 1,2-Dichloropropane	9.39	63	279940	53.650	ug/l	99
46) Dibromomethane	9.48	93	143637	52.386	ug/l	99
47) Bromodichloromethane	9.67	83	386396	53.484	ug/l	98
48) Methyl methacrylate	9.46	41	165280	55.768	ug/l	92
49) 1,4-Dioxane	9.47	88	33624	1035.359	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	794072	261.937	ug/l	99
52) Toluene	10.41	92	759113	54.652	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	383932	54.582	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	451007	53.609	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	193736	51.513	ug/l	96
56) Ethyl methacrylate	10.67	69	254896	53.566	ug/l	99
57) 1,3-Dichloropropane	10.96	76	346016	52.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	359357	232.392	ug/l	100
59) 2-Hexanone	10.99	43	574341	267.471	ug/l	100
60) Dibromochloromethane	11.14	129	264986	54.397	ug/l	99
61) 1,2-Dibromoethane	11.25	107	191452	52.098	ug/l	99
64) Tetrachloroethene	10.88	164	288598	54.558	ug/l	97
65) Chlorobenzene	11.68	112	774828	54.418	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	291671	55.502	ug/l	99
67) Ethyl Benzene	11.75	91	1449791	56.044	ug/l	99
68) m/p-Xylenes	11.86	106	1115091	112.939	ug/l	100
69) o-Xylene	12.19	106	492974	55.446	ug/l	96
70) Styrene	12.20	104	868904	56.229	ug/l	99
71) Bromoform	12.37	173	150675	53.269	ug/l #	99
73) Isopropylbenzene	12.48	105	1373498	57.544	ug/l	100
74) N-amyl acetate	12.30	43	288117	55.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	200726	53.433	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	146081m	55.483	ug/l	
77) Bromobenzene	12.77	156	312788	54.390	ug/l	99
78) n-propylbenzene	12.83	91	1609867	57.593	ug/l	100
79) 2-Chlorotoluene	12.91	91	871068	55.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1117833	57.245	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	71835	54.565	ug/l	100
82) 4-Chlorotoluene	13.01	91	911021	55.673	ug/l	100
83) tert-Butylbenzene	13.23	119	971467	57.665	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1101861	56.837	ug/l	99
85) sec-Butylbenzene	13.41	105	1332996	57.933	ug/l	100
86) p-Isopropyltoluene	13.53	119	1248401	58.395	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	605938	56.276	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	584560	54.548	ug/l	99
89) n-Butylbenzene	13.86	91	1150652	58.313	ug/l	99
90) Hexachloroethane	14.12	117	230050	56.828	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	500160	54.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	32770	53.438	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	355669	53.957	ug/l	98
94) Hexachlorobutadiene	15.28	225	223014	55.024	ug/l	99
95) Naphthalene	15.41	128	603820	55.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	305309	54.149	ug/l	98

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

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