

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063867.D
 Acq On : 02 Oct 2019 18:40
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:32 PM

Quant Time: Oct 03 03:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	223358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	352239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	362353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	327374	154.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.02%	
35) Dibromofluoromethane	7.91	113	338060	152.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.22%	
50) Toluene-d8	10.34	98	1367139	162.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.90%	
62) 4-Bromofluorobenzene	12.63	95	473135	156.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	292106	187.366	ug/l	90
3) Chloromethane	2.21	50	600798	127.463	ug/l	99
4) Vinyl Chloride	2.34	62	691288	143.349	ug/l	99
5) Bromomethane	2.74	94	480504	168.534	ug/l	95
6) Chloroethane	2.91	64	461890	139.473	ug/l	91
7) Trichlorofluoromethane	3.26	101	906532	140.660	ug/l	99
8) Diethyl Ether	3.70	74	159496	149.560	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	261090	138.601	ug/l	98
10) Methyl Iodide	4.29	142	429938	187.456	ug/l	99
11) Tert butyl alcohol	5.26	59	108793	654.148	ug/l	97
12) 1,1-Dichloroethene	4.05	96	273127	143.116	ug/l	95
13) Acrolein	3.93	56	133965	670.342	ug/l	94
14) Allyl chloride	4.71	41	418262	137.191	ug/l	97
15) Acrylonitrile	5.43	53	361527	777.496	ug/l	98
16) Acetone	4.17	43	442024	879.778	ug/l	94
17) Carbon Disulfide	4.39	76	1018706	156.585	ug/l	96
18) Methyl Acetate	4.72	43	155680	133.260	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	725728	151.057	ug/l	95
20) Methylene Chloride	4.96	84	365686	127.623	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	345989	154.400	ug/l	95
22) Diisopropyl ether	6.37	45	861421	137.730	ug/l	93
23) Vinyl Acetate	6.31	43	2685530	721.857	ug/l	97
24) 1,1-Dichloroethane	6.26	63	556950	145.856	ug/l	95
25) 2-Butanone	7.23	43	507325	795.287	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	493646	139.767	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	398595	159.335	ug/l	95
28) Bromochloromethane	7.55	49	229989	156.616	ug/l	92
29) Tetrahydrofuran	7.57	42	264732	710.237	ug/l	97
30) Chloroform	7.71	83	613324	148.642	ug/l	95
31) Cyclohexane	7.98	56	454769	121.332	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	546244	146.818	ug/l	99
36) 1,1-Dichloropropene	8.11	75	460602	144.589	ug/l	97
37) Ethyl Acetate	7.30	43	182427	134.162	ug/l	99
38) Carbon Tetrachloride	8.10	117	492468	149.561	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	547662	138.452	ug/l	92
40) Benzene	8.35	78	1367288	154.803	ug/l	98
41) Methacrylonitrile	7.54	41	114988	149.547	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	395136	152.715	ug/l	99
43) Isopropyl Acetate	8.46	43	384560	143.337	ug/l	97
44) Trichloroethene	9.11	130	400893	156.430	ug/l	87
45) 1,2-Dichloropropane	9.39	63	327730	149.982	ug/l	97
46) Dibromomethane	9.48	93	195561	158.283	ug/l	98
47) Bromodichloromethane	9.67	83	507781	160.010	ug/l	98
48) Methyl methacrylate	9.46	41	183127	149.745	ug/l	96
49) 1,4-Dioxane	9.47	88	50818	2903.840	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1007925	740.746	ug/l	99
52) Toluene	10.40	92	943306	157.158	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	502862	159.752	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	575772	161.523	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	276747	159.103	ug/l	97
56) Ethyl methacrylate	10.66	69	352033	158.724	ug/l	96
57) 1,3-Dichloropropane	10.95	76	466172	156.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	691772	698.147	ug/l	97
59) 2-Hexanone	10.98	43	777705	788.126	ug/l	98
60) Dibromochloromethane	11.14	129	387544	168.639	ug/l	96
61) 1,2-Dibromoethane	11.25	107	277194	158.830	ug/l	100
64) Tetrachloroethene	10.87	164	378493	156.531	ug/l	97
65) Chlorobenzene	11.67	112	1115973	153.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	424941	159.748	ug/l	97
67) Ethyl Benzene	11.74	91	1993180	152.971	ug/l	96
68) m/p-Xylenes	11.86	106	1565056	311.229	ug/l	99
69) o-Xylene	12.18	106	745055	157.412	ug/l	97
70) Styrene	12.20	104	1292769	160.800	ug/l	99
71) Bromoform	12.36	173	240884	163.743	ug/l #	100
73) Isopropylbenzene	12.48	105	1932715	149.631	ug/l	98
74) N-amyl acetate	12.29	43	397632	140.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	315361	145.889	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	188086m	130.606	ug/l	
77) Bromobenzene	12.76	156	508686	162.986	ug/l	93
78) n-propylbenzene	12.82	91	2241844	147.400	ug/l	99
79) 2-Chlorotoluene	12.91	91	1229021	149.984	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	1627149	151.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	104907	145.144	ug/l	99
82) 4-Chlorotoluene	13.01	91	1290428	147.093	ug/l	98
83) tert-Butylbenzene	13.22	119	1444810	153.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1691058	154.741	ug/l	100
85) sec-Butylbenzene	13.40	105	1902393	145.398	ug/l	99
86) p-Isopropyltoluene	13.51	119	1893014	154.449	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	996750	162.968	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	949304	155.510	ug/l	98
89) n-Butylbenzene	13.84	91	1666334	143.320	ug/l	99
90) Hexachloroethane	14.11	117	351218	154.981	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	836827	158.832	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	51466	137.975	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	668159	167.462	ug/l	99
94) Hexachlorobutadiene	15.27	225	353347	156.495	ug/l	96
95) Naphthalene	15.40	128	1128814	157.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	569711	160.948	ug/l	98

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

