

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063475.D
 Acq On : 9 Aug 2019 15:51
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 10 06:25:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1229779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1683530	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1434095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	728207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	1382170	104.99	ug/l	0.00
Spiked Amount			Recovery	=	209.98%	
35) Dibromofluoromethane	6.93	113	1521622	107.32	ug/l	0.00
Spiked Amount			Recovery	=	214.64%	
50) Toluene-d8	10.42	98	3303103	105.96	ug/l	0.00
Spiked Amount			Recovery	=	211.92%	
62) 4-Bromofluorobenzene	13.56	95	1463604	103.59	ug/l	0.00
Spiked Amount			Recovery	=	207.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1303296	87.460	ug/l	97
3) Chloromethane	1.75	50	1015283	87.200	ug/l	96
4) Vinyl Chloride	1.85	62	1117013	96.653	ug/l	96
5) Bromomethane	2.15	94	449572	82.879	ug/l	94
6) Chloroethane	2.26	64	454015	85.902	ug/l	97
7) Trichlorofluoromethane	2.53	101	2013029	88.796	ug/l	99
8) Diethyl Ether	2.88	74	282004	88.103	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.14	101	1244497	92.969	ug/l	97
10) Methyl Iodide	3.31	142	1975748	104.330	ug/l	98
11) Tert butyl alcohol	4.10	59	273740	477.644	ug/l	98
12) 1,1-Dichloroethene	3.13	96	932825	93.794	ug/l	93
13) Acrolein	3.04	56	279689	495.743	ug/l	97
14) Allyl chloride	3.63	41	1405158	94.047	ug/l	96
15) Acrylonitrile	4.21	53	763779	503.152	ug/l	96
16) Acetone	3.23	43	1405293	521.982	ug/l	95
17) Carbon Disulfide	3.38	76	2922874	93.085	ug/l	98
18) Methyl Acetate	3.66	43	463487	91.421	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	2015094	101.248	ug/l	98
20) Methylene Chloride	3.82	84	976982	84.408	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	1013286	96.758	ug/l	98
22) Diisopropyl ether	5.14	45	2984577	96.728	ug/l	99
23) Vinyl Acetate	5.07	43	9010934	502.730	ug/l	99
24) 1,1-Dichloroethane	4.99	63	1899335	99.195	ug/l	100
25) 2-Butanone	6.09	43	1384422	523.832	ug/l	99
26) 2,2-Dichloropropane	6.04	77	1834846	96.206	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	1115095	97.320	ug/l	94
28) Bromochloromethane	6.45	49	740989	95.481	ug/l	99
29) Tetrahydrofuran	6.48	42	610923	496.028	ug/l	98
30) Chloroform	6.68	83	2174535	91.359	ug/l	94
31) Cyclohexane	6.96	56	1143025	96.157	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	2065100	90.704	ug/l	95
36) 1,1-Dichloropropene	7.16	75	1462103	98.241	ug/l	99
37) Ethyl Acetate	6.20	43	645862	103.816	ug/l	99
38) Carbon Tetrachloride	7.12	117	2168958	96.698	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	1274290	100.692	ug/l	96
40) Benzene	7.46	78	3212934	98.100	ug/l	100
41) Methacrylonitrile	6.47	41	775135	98.715	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	1583934	96.180	ug/l	100
43) Isopropyl Acetate	9.26	43	840644	100.646	ug/l #	99
44) Trichloroethene	8.55	130	1241194	99.122	ug/l	96
45) 1,2-Dichloropropane	8.95	63	765283	100.337	ug/l	97
46) Dibromomethane	9.07	93	644034	98.878	ug/l	97
47) Bromodichloromethane	9.38	83	1704410	102.015	ug/l	97
48) Methyl methacrylate	9.14	41	597045	105.402	ug/l	98
49) 1,4-Dioxane	9.10	88	101642	2108.730	ug/l #	93
51) 4-Methyl-2-Pentanone	10.32	43	2841822	497.225	ug/l	99
52) Toluene	10.53	92	2025533	96.018	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	1431601	104.995	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	1583889	103.021	ug/l	96
55) 1,1,2-Trichloroethane	11.21	97	698141	97.973	ug/l	96
56) Ethyl methacrylate	11.06	69	793472	102.590	ug/l	98
57) 1,3-Dichloropropane	11.42	76	1062788	98.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	2146217	525.615	ug/l	98
59) 2-Hexanone	11.54	43	2121988	510.259	ug/l	100
60) Dibromochloromethane	11.70	129	1306479	100.757	ug/l	97
61) 1,2-Dibromoethane	11.82	107	871203	100.992	ug/l	100
64) Tetrachloroethene	11.26	164	1031850	93.204	ug/l	95
65) Chlorobenzene	12.41	112	2532196	94.209	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	1185236	100.197	ug/l	95
67) Ethyl Benzene	12.53	91	4446149	95.135	ug/l	97
68) m/p-Xylenes	12.67	106	3011322	183.400	ug/l	98
69) o-Xylene	13.06	106	1469645	92.997	ug/l	94
70) Styrene	13.08	104	2607688	92.766	ug/l	97
71) Bromoform	13.24	173	858012	105.783	ug/l	100
73) Isopropylbenzene	13.41	105	4444349	95.953	ug/l	99
74) N-amyl acetate	13.27	43	1235004	106.216	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	754182	98.100	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	824639	98.672	ug/l	97
77) Bromobenzene	13.68	156	1236671	97.692	ug/l	92
78) n-propylbenzene	13.78	91	4861752	89.711	ug/l	98
79) 2-Chlorotoluene	13.84	91	2929905	93.778	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	3691617	91.219	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	245865	109.456	ug/l	90
82) 4-Chlorotoluene	13.95	91	3364730	89.548	ug/l	98
83) tert-Butylbenzene	14.20	119	3751811	88.037	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	3499709	93.462	ug/l	96
85) sec-Butylbenzene	14.38	105	4333791	95.759	ug/l	96
86) p-Isopropyltoluene	14.49	119	3799693	87.808	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	2182596	95.321	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	2041476	92.928	ug/l	98
89) n-Butylbenzene	14.80	91	3744889	94.821	ug/l	96
90) Hexachloroethane	15.02	117	1103459	101.453	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	1891997	97.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	141873	98.007	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1350154	94.451	ug/l	99
94) Hexachlorobutadiene	16.04	225	1077090	98.865	ug/l	98
95) Naphthalene	16.13	128	2190472	101.112	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	1136630	98.446	ug/l	99

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

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