

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063194.D
 Acq On : 29 Jul 2019 12:36
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 30 02:22:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 02:15:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1025388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1406824	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1206008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	632802	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	598456	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	6.91	113	603378	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.40	98	1436765	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	13.55	95	604042	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	567350	45.234	ug/l	100
3) Chloromethane	1.74	50	440736	45.245	ug/l	100
4) Vinyl Chloride	1.84	62	483946	48.005	ug/l	100
5) Bromomethane	2.14	94	253362	49.831	ug/l	100
6) Chloroethane	2.26	64	225796	48.512	ug/l	100
7) Trichlorofluoromethane	2.52	101	960102	49.091	ug/l	100
8) Diethyl Ether	2.86	74	126869	46.351	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	482613	44.548	ug/l	100
10) Methyl Iodide	3.29	142	821572	52.495	ug/l	100
11) Tert butyl alcohol	4.06	59	108364	215.807	ug/l	100
12) 1,1-Dichloroethene	3.11	96	369820	46.499	ug/l	100
13) Acrolein	3.03	56	105426	219.393	ug/l	100
14) Allyl chloride	3.60	41	628298	49.570	ug/l	100
15) Acrylonitrile	4.18	53	291198	224.951	ug/l	100
16) Acetone	3.22	43	542416	244.683	ug/l	100
17) Carbon Disulfide	3.36	76	1297956	48.758	ug/l	100
18) Methyl Acetate	3.63	43	185958	43.671	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	847841	47.193	ug/l	100
20) Methylene Chloride	3.80	84	419694	46.838	ug/l	100
21) trans-1,2-Dichloroethene	4.20	96	417072	46.736	ug/l	100
22) Diisopropyl ether	5.11	45	1224563	48.329	ug/l	100
23) Vinyl Acetate	5.05	43	3813474	245.082	ug/l	100
24) 1,1-Dichloroethane	4.97	63	782031	48.367	ug/l	100
25) 2-Butanone	6.06	43	547973	246.307	ug/l	100
26) 2,2-Dichloropropane	6.01	77	836999	50.232	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	482278	50.407	ug/l	100
28) Bromochloromethane	6.43	49	315168	48.834	ug/l	100
29) Tetrahydrofuran	6.45	42	248158	235.598	ug/l	100
30) Chloroform	6.65	83	959468	47.816	ug/l	100
31) Cyclohexane	6.94	56	476398	47.006	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	944186	48.647	ug/l	100
36) 1,1-Dichloropropene	7.13	75	654081	50.945	ug/l	100
37) Ethyl Acetate	6.17	43	250234	43.472	ug/l	100
38) Carbon Tetrachloride	7.10	117	1019354	52.738	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	534591	49.975	ug/l	100
40) Benzene	7.44	78	1389302	51.631	ug/l	100
41) Methacrylonitrile	6.45	41	335531	48.629	ug/l	100
42) 1,2-Dichloroethane	7.57	62	706854	49.566	ug/l	100
43) Isopropyl Acetate	9.23	43	355045	48.187	ug/l	100
44) Trichloroethene	8.53	130	538267	49.366	ug/l	100
45) 1,2-Dichloropropane	8.93	63	336240	49.162	ug/l	100
46) Dibromomethane	9.05	93	278569	48.985	ug/l	100
47) Bromodichloromethane	9.37	83	717478	49.494	ug/l	100
48) Methyl methacrylate	9.11	41	244065	51.074	ug/l	100
49) 1,4-Dioxane	9.07	88	40059	1013.240	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1225179	244.502	ug/l	100
52) Toluene	10.50	92	849532	47.469	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	635272	50.831	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	669257	50.953	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	290493	48.061	ug/l	100
56) Ethyl methacrylate	11.03	69	335027	50.618	ug/l	100
57) 1,3-Dichloropropane	11.40	76	482982	50.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	858987	249.417	ug/l	100
59) 2-Hexanone	11.53	43	841408	233.007	ug/l	100
60) Dibromochloromethane	11.68	129	581888	50.995	ug/l	100
61) 1,2-Dibromoethane	11.80	107	363800	48.778	ug/l	100
64) Tetrachloroethene	11.25	164	439760	45.771	ug/l	100
65) Chlorobenzene	12.39	112	1153902	49.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	496833	48.623	ug/l	100
67) Ethyl Benzene	12.52	91	1893992	48.063	ug/l	100
68) m/p-Xylenes	12.66	106	1379373	95.448	ug/l	100
69) o-Xylene	13.04	106	607912	45.808	ug/l	100
70) Styrene	13.07	104	1155093	49.080	ug/l	100
71) Bromoform	13.23	173	361854	48.697	ug/l	100
73) Isopropylbenzene	13.40	105	1967874	49.548	ug/l	100
74) N-amyl acetate	13.26	43	517087	49.249	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	331848	49.189	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	386028	50.788	ug/l	100
77) Bromobenzene	13.66	156	542143	47.918	ug/l	100
78) n-propylbenzene	13.77	91	2379919	50.354	ug/l	100
79) 2-Chlorotoluene	13.84	91	1326344	48.431	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1586498	46.314	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	106487	50.454	ug/l	100
82) 4-Chlorotoluene	13.95	91	1498734	46.501	ug/l	100
83) tert-Butylbenzene	14.18	119	1887881	48.267	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1756642	49.578	ug/l	100
85) sec-Butylbenzene	14.36	105	1958278	47.521	ug/l	100
86) p-Isopropyltoluene	14.49	119	1848881	47.007	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	947665	47.297	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	984605	48.596	ug/l	100
89) n-Butylbenzene	14.79	91	1685487	49.616	ug/l	100
90) Hexachloroethane	15.00	117	482788	47.114	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	872203	49.962	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	54413	39.596	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	654199	47.238	ug/l	100
94) Hexachlorobutadiene	16.03	225	493040	49.127	ug/l	100
95) Naphthalene	16.12	128	938212	47.931	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	511545	46.757	ug/l	100

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

