

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063196.D
 Acq On : 29 Jul 2019 13:30
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 30 02:23:50 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	1072028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1511049	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1223783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	652653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	1205874	101.38	ug/l	0.00
Spiked Amount			Recovery	=	202.76%	
35) Dibromofluoromethane	6.92	113	1343057	104.10	ug/l	0.00
Spiked Amount			Recovery	=	208.20%	
50) Toluene-d8	10.41	98	3046648	105.52	ug/l	0.00
Spiked Amount			Recovery	=	211.04%	
62) 4-Bromofluorobenzene	13.55	95	1324971	100.70	ug/l	0.00
Spiked Amount			Recovery	=	201.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1119294	85.358	ug/l	99
3) Chloromethane	1.74	50	890046	87.395	ug/l	89
4) Vinyl Chloride	1.84	62	974018	92.414	ug/l	99
5) Bromomethane	2.14	94	434519	81.743	ug/l	98
6) Chloroethane	2.24	64	428364	88.030	ug/l	90
7) Trichlorofluoromethane	2.52	101	1856765	90.808	ug/l	97
8) Diethyl Ether	2.86	74	264104	92.291	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	1090302	96.262	ug/l	97
10) Methyl Iodide	3.30	142	1782986	108.969	ug/l	94
11) Tert butyl alcohol	4.08	59	248316	473.007	ug/l	94
12) 1,1-Dichloroethene	3.11	96	792408	95.298	ug/l	91
13) Acrolein	3.03	56	258183	513.907	ug/l	86
14) Allyl chloride	3.60	41	1248501	94.215	ug/l	98
15) Acrylonitrile	4.19	53	691131	510.673	ug/l	98
16) Acetone	3.22	43	1189146	513.084	ug/l	99
17) Carbon Disulfide	3.36	76	2611210	93.823	ug/l	99
18) Methyl Acetate	3.63	43	405712	91.134	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	1833231	97.603	ug/l	97
20) Methylene Chloride	3.81	84	831473	88.755	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	917496	98.340	ug/l	95
22) Diisopropyl ether	5.12	45	2680758	101.197	ug/l	98
23) Vinyl Acetate	5.05	43	8076043	496.445	ug/l	99
24) 1,1-Dichloroethane	4.97	63	1588541	93.973	ug/l	97
25) 2-Butanone	6.07	43	1221092	524.986	ug/l	96
26) 2,2-Dichloropropane	6.01	77	1605298	92.150	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	936675	93.640	ug/l	99
28) Bromochloromethane	6.43	49	660652	97.912	ug/l	94
29) Tetrahydrofuran	6.46	42	538716	489.199	ug/l	98
30) Chloroform	6.65	83	1918437	91.448	ug/l	96
31) Cyclohexane	6.95	56	1049085	99.010	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	1818123	89.600	ug/l	97
36) 1,1-Dichloropropene	7.13	75	1299375	94.224	ug/l	100
37) Ethyl Acetate	6.18	43	575767	93.127	ug/l	96
38) Carbon Tetrachloride	7.11	117	1977761	95.265	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	1019334	88.718	ug/l	91
40) Benzene	7.45	78	2755736	95.348	ug/l	97
41) Methacrylonitrile	6.45	41	706341	95.311	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	1494190	97.549	ug/l	100
43) Isopropyl Acetate	9.23	43	749278	94.678	ug/l #	97
44) Trichloroethene	8.53	130	1092450	93.281	ug/l	96
45) 1,2-Dichloropropane	8.94	63	728778	99.206	ug/l	98
46) Dibromomethane	9.05	93	601321	98.446	ug/l	87
47) Bromodichloromethane	9.37	83	1505354	96.681	ug/l	98
48) Methyl methacrylate	9.11	41	530290	103.316	ug/l	91
49) 1,4-Dioxane	9.08	88	83396	1963.896	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	2671968	496.449	ug/l	94
52) Toluene	10.50	92	1898199	98.748	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	1301541	96.958	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	1407445	99.762	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	597718	92.068	ug/l	96
56) Ethyl methacrylate	11.03	69	689894	97.045	ug/l	98
57) 1,3-Dichloropropane	11.41	76	977226	95.536	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	1746216	472.061	ug/l	98
59) 2-Hexanone	11.54	43	2016388	519.874	ug/l	100
60) Dibromochloromethane	11.68	129	1187906	96.924	ug/l	95
61) 1,2-Dibromoethane	11.80	107	814231	101.641	ug/l	96
64) Tetrachloroethene	11.25	164	999048	102.472	ug/l	96
65) Chlorobenzene	12.40	112	2303628	97.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	1038443	100.153	ug/l	95
67) Ethyl Benzene	12.52	91	3821293	95.563	ug/l	97
68) m/p-Xylenes	12.67	106	2911569	198.545	ug/l	96
69) o-Xylene	13.05	106	1398021	103.814	ug/l	88
70) Styrene	13.07	104	2353171	98.533	ug/l	98
71) Bromoform	13.23	173	810599	107.503	ug/l	96
73) Isopropylbenzene	13.41	105	3701019	90.352	ug/l	96
74) N-amyl acetate	13.27	43	1159384	107.065	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	715127	102.777	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	789990	100.774	ug/l	100
77) Bromobenzene	13.67	156	1150513	98.596	ug/l	88
78) n-propylbenzene	13.77	91	4526236	92.853	ug/l	99
79) 2-Chlorotoluene	13.84	91	2691019	95.273	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	3274970	92.697	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	220877	101.469	ug/l	99
82) 4-Chlorotoluene	13.95	91	3109983	93.559	ug/l	99
83) tert-Butylbenzene	14.19	119	3941040	97.695	ug/l	89
84) 1,2,4-Trimethylbenzene	14.23	105	3507618	95.985	ug/l	100
85) sec-Butylbenzene	14.37	105	3954633	93.046	ug/l	96
86) p-Isopropyltoluene	14.49	119	3767297	92.869	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1936840	93.726	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	1934891	92.593	ug/l	98
89) n-Butylbenzene	14.79	91	3043001	86.853	ug/l	96
90) Hexachloroethane	15.01	117	1052379	99.574	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	1584945	88.029	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	149531	105.503	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1382529	96.793	ug/l	98
94) Hexachlorobutadiene	16.03	225	995101	96.137	ug/l	98
95) Naphthalene	16.12	128	1887011	93.471	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	1086422	96.282	ug/l	98

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

