

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060763.D
 Acq On : 18 Jan 2019 16:06
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

Quant Time: Jan 19 03:28:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	1542266	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.98	114	2297369	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.15	117	1675662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	814423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	905910	85.00	ug/l	0.02
Spiked Amount			Recovery	=	170.00%	
35) Dibromofluoromethane	6.68	113	897398	53.37	ug/l	0.02
Spiked Amount			Recovery	=	106.74%	
50) Toluene-d8	10.18	98	2176875	43.39	ug/l	0.02
Spiked Amount			Recovery	=	86.78%	
62) 4-Bromofluorobenzene	13.35	95	995363	56.65	ug/l	0.02
Spiked Amount			Recovery	=	113.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	879661	44.639	ug/l	99
3) Chloromethane	1.76	50	519296	28.633	ug/l	100
4) Vinyl Chloride	1.85	62	540773	37.556	ug/l	97
5) Bromomethane	2.14	94	157505	48.833	ug/l	99
6) Chloroethane	2.25	64	166098	38.653	ug/l	100
7) Trichlorofluoromethane	2.50	101	912957	57.004	ug/l	100
8) Diethyl Ether	2.80	74	130516	48.709	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.07	101	464760	44.737	ug/l	95
10) Methyl Iodide	3.21	142	514670	47.139	ug/l #	79
11) Tert butyl alcohol	3.92	59	256194	575.163	ug/l	99
12) 1,1-Dichloroethene	3.05	96	330871	38.762	ug/l #	57
13) Acrolein	2.96	56	93406	205.780	ug/l	99
14) Allyl chloride	3.50	41	733356	46.821	ug/l #	77
15) Acrylonitrile	4.04	53	758544	293.328	ug/l	98
16) Acetone	3.13	43	637041	342.256	ug/l #	90
17) Carbon Disulfide	3.29	76	1130661	41.475	ug/l	98
18) Methyl Acetate	3.52	43	247951	53.752	ug/l	99
19) Methyl tert-butyl Ether	4.08	73	1771860	81.817	ug/l	95
20) Methylene Chloride	3.69	84	721789	37.340	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	788535	45.107	ug/l #	84
22) Diisopropyl ether	4.89	45	2569101	48.309	ug/l #	87
23) Vinyl Acetate	4.84	43	6778871	263.472	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1491823	53.332	ug/l	96
25) 2-Butanone	5.84	43	1058805	297.273	ug/l	95
26) 2,2-Dichloropropane	5.78	77	1431645	64.838	ug/l	88
27) cis-1,2-Dichloroethene	5.80	96	807691	45.514	ug/l	78
28) Bromochloromethane	6.20	49	645705	54.641	ug/l	99
29) Tetrahydrofuran	6.23	42	575730	285.136	ug/l #	85
30) Chloroform	6.42	83	1667546	59.244	ug/l	99
31) Cyclohexane	6.72	56	1205472	44.781	ug/l	97
32) 1,1,1-Trichloroethane	6.63	97	1471028	63.170	ug/l	95
36) 1,1-Dichloropropene	6.91	75	1139534	48.170	ug/l	93
37) Ethyl Acetate	5.94	43	573880	58.004	ug/l #	96
38) Carbon Tetrachloride	6.88	117	1296635	62.128	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	1177866	43.656	ug/l	90
40) Benzene	7.22	78	2780343	45.500	ug/l	99
41) Methacrylonitrile	6.21	41	374697m	68.468	ug/l	
42) 1,2-Dichloroethane	7.34	62	1163981	76.759	ug/l	91
43) Isopropyl Acetate	9.00	43	733368	57.761	ug/l #	93
44) Trichloroethene	8.30	130	897614	49.630	ug/l	99
45) 1,2-Dichloropropane	8.71	63	668444	44.605	ug/l	100
46) Dibromomethane	8.83	93	484282	56.622	ug/l	93
47) Bromodichloromethane	9.14	83	1299857	64.167	ug/l	99
48) Methyl methacrylate	8.89	41	503415	65.282	ug/l	92
49) 1,4-Dioxane	8.86	88	92760	1293.723	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	2196897	282.421	ug/l	89
52) Toluene	10.28	92	1657294	43.263	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	1095823	64.840	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	1332586	60.241	ug/l	92
55) 1,1,2-Trichloroethane	10.96	97	518180	50.275	ug/l	97
56) Ethyl methacrylate	10.82	69	674951	70.503	ug/l	90
57) 1,3-Dichloropropane	11.19	76	902749	55.258	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.62	63	1594701	282.706	ug/l	94
59) 2-Hexanone	11.32	43	1820252	334.305	ug/l	93
60) Dibromochloromethane	11.46	129	831965	63.371	ug/l	95
61) 1,2-Dibromoethane	11.59	107	611753	57.223	ug/l	97
64) Tetrachloroethene	11.03	164	753217	49.594	ug/l	94
65) Chlorobenzene	12.19	112	1837253	49.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.30	131	713236	59.919	ug/l	94
67) Ethyl Benzene	12.31	91	3095637	48.825	ug/l	95
68) m/p-Xylenes	12.46	106	1861030	80.318	ug/l	79
69) o-Xylene	12.84	106	1025485	46.649	ug/l	77
70) Styrene	12.86	104	1711250	48.333	ug/l #	87
71) Bromoform	13.03	173	544090	69.245	ug/l	97
73) Isopropylbenzene	13.20	105	2934244	50.603	ug/l	97
74) N-amyl acetate	13.06	43	989423	72.298	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.50	83	612451	65.162	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	674709	72.768	ug/l	99
77) Bromobenzene	13.46	156	808557	52.816	ug/l	80
78) n-propylbenzene	13.57	91	3763859	50.773	ug/l	97
79) 2-Chlorotoluene	13.64	91	2228792	56.133	ug/l	94
80) 1,3,5-Trimethylbenzene	14.03	105	2381183	53.180	ug/l	86
81) trans-1,4-Dichloro-2-buten	13.27	75	210941	82.331	ug/l #	82
82) 4-Chlorotoluene	13.75	91	2424364	53.870	ug/l	98
83) tert-Butylbenzene	13.98	119	2521022	49.473	ug/l	78
84) 1,2,4-Trimethylbenzene	14.03	105	2381183	51.634	ug/l	93
85) sec-Butylbenzene	14.17	105	2968809	47.772	ug/l	96
86) p-Isopropyltoluene	14.29	119	2560104	51.034	ug/l	90
87) 1,3-Dichlorobenzene	14.26	146	1437631	51.156	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	1419463	51.257	ug/l	95
89) n-Butylbenzene	14.59	91	2466969	48.124	ug/l	97
90) Hexachloroethane	14.81	117	753420	61.136	ug/l	99
91) 1,2-Dichlorobenzene	14.61	146	1146339	50.850	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.19	75	112022	101.452	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	984448	54.879	ug/l	98
94) Hexachlorobutadiene	15.84	225	722878	54.519	ug/l	98
95) Naphthalene	15.92	128	1620007	75.984	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	884157	63.051	ug/l	96

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

