

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060757.D
 Acq On : 18 Jan 2019 12:23
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jan 19 02:43:09 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	6.79	168	1441364	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.98	114	2031088	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1608328	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	801725	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	822394	82.56	ug/l	0.01
Spiked Amount			Recovery	=	165.12%	
35) Dibromofluoromethane	6.68	113	860634	57.89	ug/l	0.01
Spiked Amount			Recovery	=	115.78%	
50) Toluene-d8	10.18	98	2144778	48.35	ug/l	0.01
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	13.35	95	959984	61.80	ug/l	0.01
Spiked Amount			Recovery	=	123.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	848583	46.076	ug/l	96
3) Chloromethane	1.75	50	466912	27.547	ug/l	99
4) Vinyl Chloride	1.84	62	506130	37.611	ug/l	99
5) Bromomethane	2.14	94	125148	41.517	ug/l	100
6) Chloroethane	2.25	64	142884	35.579	ug/l	90
7) Trichlorofluoromethane	2.48	101	841272	56.205	ug/l	100
8) Diethyl Ether	2.80	74	117709	47.004	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.06	101	419361	43.193	ug/l #	84
10) Methyl Iodide	3.21	142	509657	49.948	ug/l #	75
11) Tert butyl alcohol	3.92	59	252649	606.912	ug/l	99
12) 1,1-Dichloroethene	3.04	96	282296	35.386	ug/l #	63
13) Acrolein	2.95	56	94515	222.800	ug/l	85
14) Allyl chloride	3.50	41	631240	43.123	ug/l #	77
15) Acrylonitrile	4.04	53	701790	290.379	ug/l	100
16) Acetone	3.12	43	581514	334.295	ug/l #	88
17) Carbon Disulfide	3.28	76	1093755	42.930	ug/l	100
18) Methyl Acetate	3.52	43	218493	50.681	ug/l	94
19) Methyl tert-butyl Ether	4.08	73	1579316	78.031	ug/l	97
20) Methylene Chloride	3.68	84	736687	40.779	ug/l	99
21) trans-1,2-Dichloroethene	4.05	96	682827	41.795	ug/l #	80
22) Diisopropyl ether	4.88	45	2461330	49.522	ug/l	89
23) Vinyl Acetate	4.82	43	6794550	282.569	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1512526	57.857	ug/l	98
25) 2-Butanone	5.83	43	1064185	319.700	ug/l	96
26) 2,2-Dichloropropane	5.79	77	1279311	61.995	ug/l	88
27) cis-1,2-Dichloroethene	5.80	96	726071	43.779	ug/l	74
28) Bromochloromethane	6.19	49	520550	47.134	ug/l	89
29) Tetrahydrofuran	6.22	42	550531	291.743	ug/l #	86
30) Chloroform	6.42	83	1545061	58.735	ug/l	96
31) Cyclohexane	6.72	56	1248477	49.625	ug/l	97
32) 1,1,1-Trichloroethane	6.63	97	1393455	64.028	ug/l	95
36) 1,1-Dichloropropene	6.90	75	1097096	52.456	ug/l	94
37) Ethyl Acetate	5.94	43	568786	65.026	ug/l #	96
38) Carbon Tetrachloride	6.87	117	1189383	64.461	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.62	83	1166596	48.907	ug/l #	87
40) Benzene	7.22	78	2486430	46.025	ug/l	99
41) Methacrylonitrile	6.20	41	347958m	71.917	ug/l	
42) 1,2-Dichloroethane	7.34	62	1080351	80.584	ug/l	92
43) Isopropyl Acetate	9.00	43	804526	71.673	ug/l #	95
44) Trichloroethene	8.30	130	824232	51.547	ug/l	96
45) 1,2-Dichloropropane	8.70	63	669640	50.544	ug/l	98
46) Dibromomethane	8.83	93	486492	64.338	ug/l	93
47) Bromodichloromethane	9.14	83	1179586	65.864	ug/l	100
48) Methyl methacrylate	8.88	41	497902	73.032	ug/l #	91
49) 1,4-Dioxane	8.85	88	89787	1416.433	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	2366684	344.135	ug/l	91
52) Toluene	10.29	92	1456434	43.004	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	1126351	75.384	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	1236381	63.220	ug/l	91
55) 1,1,2-Trichloroethane	10.97	97	509757	55.942	ug/l	98
56) Ethyl methacrylate	10.82	69	661499	78.157	ug/l	93
57) 1,3-Dichloropropane	11.18	76	865653	59.934	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.63	63	1356847	272.075	ug/l	96
59) 2-Hexanone	11.32	43	1787673	371.366	ug/l	91
60) Dibromochloromethane	11.47	129	761494	65.607	ug/l	99
61) 1,2-Dibromoethane	11.59	107	588004	62.212	ug/l	97
64) Tetrachloroethene	11.04	164	713656	48.957	ug/l	94
65) Chlorobenzene	12.19	112	1744579	49.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	678355	59.374	ug/l	88
67) Ethyl Benzene	12.32	91	2855394	46.921	ug/l	96
68) m/p-Xylenes	12.46	106	1878224	84.454	ug/l	80
69) o-Xylene	12.85	106	1020659	48.374	ug/l	84
70) Styrene	12.87	104	1672099	49.205	ug/l #	88
71) Bromoform	13.04	173	533595	70.753	ug/l #	95
73) Isopropylbenzene	13.20	105	2646052	46.355	ug/l	96
74) N-amyl acetate	13.06	43	1033649	76.726	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.50	83	620779	67.094	ug/l	97
76) 1,2,3-Trichloropropane	13.53	75	704443	77.178	ug/l	99
77) Bromobenzene	13.47	156	797384	52.911	ug/l	91
78) n-propylbenzene	13.58	91	3741084	51.265	ug/l	99
79) 2-Chlorotoluene	13.64	91	2165613	55.406	ug/l	91
80) 1,3,5-Trimethylbenzene	14.04	105	2588174	58.718	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.27	75	197559	78.330	ug/l	87
82) 4-Chlorotoluene	13.74	91	2205577	49.785	ug/l	95
83) tert-Butylbenzene	13.99	119	2703251	53.889	ug/l	84
84) 1,2,4-Trimethylbenzene	14.04	105	2588174	57.012	ug/l	96
85) sec-Butylbenzene	14.17	105	3122096	51.035	ug/l	98
86) p-Isopropyltoluene	14.30	119	2685228	54.377	ug/l	94
87) 1,3-Dichlorobenzene	14.26	146	1443422	52.175	ug/l	92
88) 1,4-Dichlorobenzene	14.33	146	1339995	49.154	ug/l	93
89) n-Butylbenzene	14.60	91	2326816	46.109	ug/l	98
90) Hexachloroethane	14.81	117	674342	55.586	ug/l	85
91) 1,2-Dichlorobenzene	14.61	146	1077147	48.538	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.18	75	112113	103.143	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1036500	58.696	ug/l	96
94) Hexachlorobutadiene	15.84	225	697841	53.464	ug/l	99
95) Naphthalene	15.93	128	1664920	79.328	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	886183	64.197	ug/l	96

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

