

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063373.D
 Acq On : 3 Aug 2019 20:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 04 06:09:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	808645	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1096719	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	931121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	553175	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	513347	57.21	ug/l	0.01
Spiked Amount	50.000		Recovery	=	114.42%	
35) Dibromofluoromethane	6.93	113	553671	59.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	118.26%	
50) Toluene-d8	10.41	98	1267933	60.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	121.02%	
62) 4-Bromofluorobenzene	13.56	95	607524	63.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	525666	53.180	ug/l	95
3) Chloromethane	1.74	50	418192	54.454	ug/l	96
4) Vinyl Chloride	1.84	62	451760	56.823	ug/l	91
5) Bromomethane	2.15	94	236766	59.049	ug/l	97
6) Chloroethane	2.26	64	222412	60.593	ug/l	94
7) Trichlorofluoromethane	2.53	101	925635	60.015	ug/l	97
8) Diethyl Ether	2.87	74	116732	54.078	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	525856	61.549	ug/l	95
10) Methyl Iodide	3.30	142	692256	56.088	ug/l	97
11) Tert butyl alcohol	4.08	59	92581	235.117	ug/l #	83
12) 1,1-Dichloroethene	3.12	96	383564	61.154	ug/l	90
13) Acrolein	3.03	56	96386	254.343	ug/l	100
14) Allyl chloride	3.61	41	555797	55.625	ug/l	89
15) Acrylonitrile	4.20	53	269499	263.990	ug/l	98
16) Acetone	3.22	43	419617	240.024	ug/l	96
17) Carbon Disulfide	3.38	76	1090245	51.932	ug/l	98
18) Methyl Acetate	3.64	43	182901	54.466	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	815855	57.585	ug/l	97
20) Methylene Chloride	3.81	84	403427	57.090	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	426746	60.638	ug/l	96
22) Diisopropyl ether	5.12	45	1098816	55.044	ug/l	96
23) Vinyl Acetate	5.06	43	3437640	280.144	ug/l	98
24) 1,1-Dichloroethane	4.98	63	724676	56.833	ug/l	97
25) 2-Butanone	6.07	43	446968	254.756	ug/l #	91
26) 2,2-Dichloropropane	6.02	77	765461	58.252	ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	432642	57.339	ug/l	96
28) Bromochloromethane	6.44	49	276004	54.327	ug/l	92
29) Tetrahydrofuran	6.46	42	214742	258.518	ug/l	98
30) Chloroform	6.66	83	948661	59.950	ug/l	97
31) Cyclohexane	6.95	56	424607	53.126	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	978846	63.951	ug/l	98
36) 1,1-Dichloropropene	7.15	75	606387	60.585	ug/l	99
37) Ethyl Acetate	6.19	43	233345	51.893	ug/l	96
38) Carbon Tetrachloride	7.11	117	1006521	66.798	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	491452	58.933	ug/l	96
40) Benzene	7.45	78	1280458	61.041	ug/l	100
41) Methacrylonitrile	6.45	41	293696	54.602	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	714844	64.300	ug/l	100
43) Isopropyl Acetate	9.24	43	324290	56.458	ug/l	100
44) Trichloroethene	8.54	130	505708	59.495	ug/l	93
45) 1,2-Dichloropropane	8.94	63	313434	58.786	ug/l	99
46) Dibromomethane	9.07	93	255362	57.601	ug/l	92
47) Bromodichloromethane	9.38	83	724697	64.127	ug/l	97
48) Methyl methacrylate	9.13	41	218183	58.568	ug/l	93
49) 1,4-Dioxane	9.09	88	34519	1094.231	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	1110516	284.284	ug/l	98
52) Toluene	10.51	92	854745	61.264	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	589080	60.462	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	619039	60.456	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	282439	59.941	ug/l	95
56) Ethyl methacrylate	11.05	69	293136	56.812	ug/l	94
57) 1,3-Dichloropropane	11.41	76	426963	57.510	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	698427	260.139	ug/l	100
59) 2-Hexanone	11.54	43	819267	291.027	ug/l	99
60) Dibromochloromethane	11.68	129	569272	63.996	ug/l	96
61) 1,2-Dibromoethane	11.80	107	353083	60.727	ug/l	98
64) Tetrachloroethene	11.26	164	475886	64.154	ug/l	96
65) Chlorobenzene	12.40	112	1116119	62.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	534953	67.810	ug/l	96
67) Ethyl Benzene	12.52	91	2051832	67.440	ug/l	99
68) m/p-Xylenes	12.67	106	1385918	124.213	ug/l	92
69) o-Xylene	13.05	106	658042	64.224	ug/l	91
70) Styrene	13.07	104	1114878	61.356	ug/l	97
71) Bromoform	13.23	173	354330	61.762	ug/l #	99
73) Isopropylbenzene	13.41	105	2090595	60.215	ug/l	97
74) N-amyl acetate	13.27	43	460813	50.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	342964	58.154	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	357031	53.735	ug/l	99
77) Bromobenzene	13.67	156	563609	56.986	ug/l	88
78) n-propylbenzene	13.77	91	2388884	57.819	ug/l	100
79) 2-Chlorotoluene	13.84	91	1307084	54.598	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1692847	56.532	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	80087	43.408	ug/l #	88
82) 4-Chlorotoluene	13.95	91	1616687	57.382	ug/l	98
83) tert-Butylbenzene	14.19	119	1947516	56.959	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1797500	58.034	ug/l	97
85) sec-Butylbenzene	14.37	105	1907307	52.946	ug/l	97
86) p-Isopropyltoluene	14.49	119	1993269	57.973	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	977583	55.814	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	988257	55.797	ug/l	99
89) n-Butylbenzene	14.80	91	1766677	59.492	ug/l	95
90) Hexachloroethane	15.00	117	511125	57.059	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	875245	57.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63322	52.712	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	624373	51.574	ug/l	99
94) Hexachlorobutadiene	16.04	225	451320	51.443	ug/l	98
95) Naphthalene	16.12	128	897903	52.475	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	505156	52.819	ug/l	97

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

