

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030619\
 Data File : VD060959.D
 Acq On : 6 Mar 2019 11:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 07 05:54:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	778362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1281718	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1039581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	451496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	316442	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	6.92	113	520133	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.41	98	1296145	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	13.56	95	452203	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	400568	46.445	ug/l	99
3) Chloromethane	1.77	50	302200	42.224	ug/l	100
4) Vinyl Chloride	1.86	62	271241	41.948	ug/l	97
5) Bromomethane	2.16	94	53194	46.574	ug/l	92
6) Chloroethane	2.28	64	85298	54.754	ug/l	99
7) Trichlorofluoromethane	2.53	101	358144	46.146	ug/l	99
8) Diethyl Ether	2.88	74	146725	42.861	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	502457	47.730	ug/l	100
10) Methyl Iodide	3.31	142	663393	44.362	ug/l	97
11) Tert butyl alcohol	4.07	59	110472	230.351	ug/l	96
12) 1,1-Dichloroethene	3.13	96	424844	47.578	ug/l	97
13) Acrolein	3.05	56	136405	205.389	ug/l	98
14) Allyl chloride	3.63	41	621466	42.669	ug/l	97
15) Acrylonitrile	4.20	53	384597	209.442	ug/l	97
16) Acetone	3.22	43	538516	250.653	ug/l	97
17) Carbon Disulfide	3.38	76	1411403	44.590	ug/l	100
18) Methyl Acetate	3.65	43	175155	39.816	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	652106	41.519	ug/l	98
20) Methylene Chloride	3.82	84	458038	44.518	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	424676	43.686	ug/l	95
22) Diisopropyl ether	5.12	45	1367956	44.233	ug/l	96
23) Vinyl Acetate	5.06	43	3560474	219.232	ug/l	99
24) 1,1-Dichloroethane	4.99	63	749830	45.461	ug/l	98
25) 2-Butanone	6.08	43	578237	216.961	ug/l	99
26) 2,2-Dichloropropane	6.03	77	581725	47.477	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	480171	43.564	ug/l	99
28) Bromochloromethane	6.44	49	320476	46.258	ug/l #	95
29) Tetrahydrofuran	6.46	42	284730	207.552	ug/l	99
30) Chloroform	6.67	83	760294	47.527	ug/l	99
31) Cyclohexane	6.96	56	673563	47.415	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	641580	46.837	ug/l	99
36) 1,1-Dichloropropene	7.15	75	568971	48.281	ug/l	100
37) Ethyl Acetate	6.19	43	259363	42.813	ug/l	98
38) Carbon Tetrachloride	7.12	117	686249	54.203	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	582789	45.242	ug/l	96
40) Benzene	7.46	78	1455577	48.500	ug/l	99
41) Methacrylonitrile	6.44	41	173243m	45.776	ug/l	
42) 1,2-Dichloroethane	7.57	62	406754	48.169	ug/l	98
43) Isopropyl Acetate	9.24	43	354516	41.972	ug/l #	99
44) Trichloroethene	8.54	130	535466	52.098	ug/l	99
45) 1,2-Dichloropropane	8.94	63	408695	51.438	ug/l	96
46) Dibromomethane	9.06	93	257945	50.332	ug/l	97
47) Bromodichloromethane	9.38	83	544412	48.699	ug/l	100
48) Methyl methacrylate	9.12	41	226527	47.736	ug/l	99
49) 1,4-Dioxane	9.08	88	48534	976.958	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1189100	231.230	ug/l	99
52) Toluene	10.51	92	940575	48.781	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	508012	49.382	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	599450	46.993	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	290939	45.628	ug/l	99
56) Ethyl methacrylate	11.04	69	307432	45.480	ug/l	97
57) 1,3-Dichloropropane	11.41	76	461546	49.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	817395	226.415	ug/l	99
59) 2-Hexanone	11.53	43	831140	230.560	ug/l	99
60) Dibromochloromethane	11.69	129	435488	47.355	ug/l	100
61) 1,2-Dibromoethane	11.81	107	370712	49.488	ug/l	98
64) Tetrachloroethene	11.26	164	386627	48.584	ug/l	98
65) Chlorobenzene	12.40	112	1152863	49.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	389100	46.848	ug/l	98
67) Ethyl Benzene	12.53	91	1595290	47.337	ug/l	99
68) m/p-Xylenes	12.67	106	1326585	98.525	ug/l	98
69) o-Xylene	13.05	106	644098	50.925	ug/l	99
70) Styrene	13.08	104	1036186	49.104	ug/l	99
71) Bromoform	13.23	173	259309	49.327	ug/l	98
73) Isopropylbenzene	13.40	105	1782158	51.089	ug/l	99
74) N-amyl acetate	13.26	43	472842	45.377	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	328743	45.440	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	341409	46.669	ug/l	99
77) Bromobenzene	13.67	156	460511	50.506	ug/l	87
78) n-propylbenzene	13.78	91	2062757	51.397	ug/l	98
79) 2-Chlorotoluene	13.84	91	1140710	49.767	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	1311194	49.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	110514	51.045	ug/l	98
82) 4-Chlorotoluene	13.94	91	1234265	49.096	ug/l	93
83) tert-Butylbenzene	14.19	119	1599268	52.800	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1311194	49.564	ug/l	98
85) sec-Butylbenzene	14.37	105	1738553	49.512	ug/l	95
86) p-Isopropyltoluene	14.49	119	1456809	50.936	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	827973	53.450	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	800416	52.031	ug/l	97
89) n-Butylbenzene	14.80	91	1382861	57.156	ug/l	99
90) Hexachloroethane	15.01	117	426078	51.656	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	684757	51.019	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40470	47.805	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	339396	43.550	ug/l	97
94) Hexachlorobutadiene	16.04	225	225801	45.141	ug/l	98
95) Naphthalene	16.13	128	548196	45.171	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	188949	43.173	ug/l	98

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

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