

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060831.D
 Acq On : 1 Feb 2019 20:51
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:43:12 PM

Quant Time: Feb 02 02:19:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	390715	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.95	114	512135	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	447963	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.31	152	253506	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.19	65	376529	62.86	ug/l	-0.03
Spiked Amount			Recovery	=	125.72%	
35) Dibromofluoromethane	6.65	113	298101	60.69	ug/l	-0.03
Spiked Amount			Recovery	=	121.38%	
50) Toluene-d8	10.16	98	629501	54.88	ug/l	-0.03
Spiked Amount			Recovery	=	109.76%	
62) 4-Bromofluorobenzene	13.34	95	352745	61.19	ug/l	-0.02
Spiked Amount			Recovery	=	122.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	346503	72.941	ug/l	97
3) Chloromethane	1.74	50	168898	59.384	ug/l	98
4) Vinyl Chloride	1.83	62	180404	59.756	ug/l #	88
5) Bromomethane	2.13	94	64099	67.212	ug/l	95
6) Chloroethane	2.23	64	83493	84.346	ug/l #	86
7) Trichlorofluoromethane	2.47	101	472140	79.447	ug/l	97
8) Diethyl Ether	2.78	74	57989	66.220	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.04	101	224883	74.668	ug/l	94
10) Methyl Iodide	3.19	142	223442	70.861	ug/l	98
11) Tert butyl alcohol	3.90	59	96617	337.521	ug/l	95
12) 1,1-Dichloroethene	3.02	96	149039	72.415	ug/l	91
13) Acrolein	2.94	56	27527	288.662	ug/l	88
14) Allyl chloride	3.48	41	338934	70.765	ug/l	95
15) Acrylonitrile	4.02	53	187320	292.052	ug/l	97
16) Acetone	3.11	43	303121	350.367	ug/l	97
17) Carbon Disulfide	3.26	76	475649	65.243	ug/l	99
18) Methyl Acetate	3.50	43	132526	77.271	ug/l	97
19) Methyl tert-butyl Ether	4.05	73	625282	66.546	ug/l	99
20) Methylene Chloride	3.65	84	194069	51.118	ug/l	93
21) trans-1,2-Dichloroethene	4.03	96	204135	56.264	ug/l	85
22) Diisopropyl ether	4.86	45	707791	57.347	ug/l	93
23) Vinyl Acetate	4.80	43	2230887	313.878	ug/l	99
24) 1,1-Dichloroethane	4.74	63	464930	57.542	ug/l	97
25) 2-Butanone	5.81	43	355521	321.054	ug/l	97
26) 2,2-Dichloropropane	5.75	77	559683	65.742	ug/l	98
27) cis-1,2-Dichloroethene	5.77	96	219917	53.220	ug/l	89
28) Bromochloromethane	6.16	49	165042	52.362	ug/l #	95
29) Tetrahydrofuran	6.20	42	161254	303.237	ug/l	98
30) Chloroform	6.39	83	618219	64.737	ug/l	97
31) Cyclohexane	6.69	56	302604	55.045	ug/l	95
32) 1,1,1-Trichloroethane	6.60	97	633171	68.850	ug/l	94
36) 1,1-Dichloropropene	6.87	75	400344	65.471	ug/l	98
37) Ethyl Acetate	5.91	43	172944	63.359	ug/l	96
38) Carbon Tetrachloride	6.84	117	570041	74.343	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.61	83	287874	56.216	ug/l	94
40) Benzene	7.19	78	712158	59.010	ug/l	99
41) Methacrylonitrile	6.18	41	114265m	65.915	ug/l	
42) 1,2-Dichloroethane	7.31	62	544289	77.633	ug/l	96
43) Isopropyl Acetate	8.98	43	229599	64.492	ug/l #	96
44) Trichloroethene	8.27	130	245547	60.018	ug/l	89
45) 1,2-Dichloropropane	8.67	63	192084	58.796	ug/l	98
46) Dibromomethane	8.80	93	176699	69.673	ug/l	95
47) Bromodichloromethane	9.12	83	487850	71.266	ug/l	95
48) Methyl methacrylate	8.86	41	165343	67.349	ug/l	93
49) 1,4-Dioxane	8.83	88	25201	1178.262	ug/l #	88
51) 4-Methyl-2-Pentanone	10.05	43	832689	361.175	ug/l	94
52) Toluene	10.26	92	463000	60.481	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	404335	67.149	ug/l	95
54) cis-1,3-Dichloropropene	9.79	75	410727	66.517	ug/l	93
55) 1,1,2-Trichloroethane	10.95	97	171691	65.781	ug/l	96
56) Ethyl methacrylate	10.80	69	211480	66.886	ug/l #	89
57) 1,3-Dichloropropane	11.17	76	298837	66.993	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.60	63	511225	308.158	ug/l	98
59) 2-Hexanone	11.29	43	601807	347.162	ug/l	90
60) Dibromochloromethane	11.45	129	335939	71.594	ug/l	95
61) 1,2-Dibromoethane	11.57	107	218179	70.979	ug/l	99
64) Tetrachloroethene	11.01	164	224892	54.702	ug/l	93
65) Chlorobenzene	12.17	112	548618	53.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	280661	63.814	ug/l	99
67) Ethyl Benzene	12.30	91	1141540	62.013	ug/l	96
68) m/p-Xylenes	12.45	106	651736	108.824	ug/l	89
69) o-Xylene	12.83	106	317224	53.517	ug/l	79
70) Styrene	12.85	104	549048	55.237	ug/l	94
71) Bromoform	13.02	173	214369	64.692	ug/l #	97
73) Isopropylbenzene	13.18	105	1056639	52.277	ug/l	98
74) N-amyl acetate	13.05	43	370746	59.666	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.49	83	209132	56.825	ug/l	100
76) 1,2,3-Trichloropropane	13.52	75	270498	58.188	ug/l	98
77) Bromobenzene	13.45	156	265178	51.038	ug/l	83
78) n-propylbenzene	13.56	91	1424452	56.140	ug/l	96
79) 2-Chlorotoluene	13.63	91	879637	56.838	ug/l	96
80) 1,3,5-Trimethylbenzene	14.03	105	1004069	57.704	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.25	75	60717	50.098	ug/l	88
82) 4-Chlorotoluene	13.73	91	1027245	59.722	ug/l	94
83) tert-Butylbenzene	13.98	119	1046639	57.492	ug/l	94
84) 1,2,4-Trimethylbenzene	14.03	105	1004069	57.704	ug/l	98
85) sec-Butylbenzene	14.16	105	1158750	55.916	ug/l	98
86) p-Isopropyltoluene	14.28	119	954889	56.755	ug/l	94
87) 1,3-Dichlorobenzene	14.25	146	502214	54.041	ug/l	98
88) 1,4-Dichlorobenzene	14.33	146	505518	55.985	ug/l	95
89) n-Butylbenzene	14.59	91	954962	54.401	ug/l	99
90) Hexachloroethane	14.80	117	276355	55.197	ug/l	84
91) 1,2-Dichlorobenzene	14.60	146	404403	52.427	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.17	75	58856	67.315	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.73	180	369226	55.281	ug/l	96
94) Hexachlorobutadiene	15.83	225	300634	59.990	ug/l	98
95) Naphthalene	15.92	128	581249	56.640	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	320769	55.230	ug/l	97

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

