

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063000.D
 Acq On : 2 Jul 2019 10:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:36:45 AM

Quant Time: Jul 03 01:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	914126	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1322799	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1105588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	569899	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	487787	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.18%		
35) Dibromofluoromethane	6.93	113	528013	47.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.68%		
50) Toluene-d8	10.42	98	1169169	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.32%		
62) 4-Bromofluorobenzene	13.56	95	533523	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.66%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	553062	46.754	ug/l	97
3) Chloromethane	1.76	50	400128	44.977	ug/l	96
4) Vinyl Chloride	1.85	62	429807	48.728	ug/l	99
5) Bromomethane	2.16	94	221793	53.692	ug/l	97
6) Chloroethane	2.28	64	216577	54.234	ug/l	96
7) Trichlorofluoromethane	2.54	101	987378	55.312	ug/l	99
8) Diethyl Ether	2.88	74	123236	54.334	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	515309	53.285	ug/l	98
10) Methyl Iodide	3.31	142	642939	50.392	ug/l	96
11) Tert butyl alcohol	4.10	59	121545	268.578	ug/l #	88
12) 1,1-Dichloroethene	3.13	96	381626	52.603	ug/l	91
13) Acrolein	3.04	56	107077	231.768	ug/l	94
14) Allyl chloride	3.63	41	563841	52.599	ug/l	97
15) Acrylonitrile	4.21	53	296874	279.182	ug/l	95
16) Acetone	3.23	43	587063	292.534	ug/l	98
17) Carbon Disulfide	3.38	76	1066324	45.990	ug/l	97
18) Methyl Acetate	3.66	43	161229	53.751	ug/l	92
19) Methyl tert-butyl Ether	4.26	73	870656	55.437	ug/l	100
20) Methylene Chloride	3.82	84	402764	53.150	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	420775	54.471	ug/l	99
22) Diisopropyl ether	5.14	45	1191168	54.640	ug/l	91
23) Vinyl Acetate	5.07	43	3846836	281.998	ug/l	99
24) 1,1-Dichloroethane	4.99	63	783059	55.170	ug/l	100
25) 2-Butanone	6.09	43	564462	303.734	ug/l	98
26) 2,2-Dichloropropane	6.04	77	830127	55.178	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	442553	54.176	ug/l	93
28) Bromochloromethane	6.45	49	288083	57.628	ug/l	93
29) Tetrahydrofuran	6.47	42	251043	285.508	ug/l	98
30) Chloroform	6.68	83	957950	55.496	ug/l	97
31) Cyclohexane	6.97	56	486914	52.183	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	991165	55.128	ug/l	92
36) 1,1-Dichloropropene	7.16	75	611083	48.800	ug/l	96
37) Ethyl Acetate	6.20	43	242297	45.974	ug/l	96
38) Carbon Tetrachloride	7.12	117	968015m	51.400	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	537212	48.738	ug/l	95
40) Benzene	7.46	78	1271509	50.586	ug/l	96
41) Methacrylonitrile	6.47	41	344035	52.097	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	701937	51.191	ug/l	98
43) Isopropyl Acetate	9.25	43	344464	52.470	ug/l #	98
44) Trichloroethene	8.55	130	521275	52.898	ug/l	96
45) 1,2-Dichloropropane	8.95	63	318052	50.887	ug/l	99
46) Dibromomethane	9.07	93	280161	52.181	ug/l	98
47) Bromodichloromethane	9.38	83	740887	53.134	ug/l	97
48) Methyl methacrylate	9.13	41	229865	49.272	ug/l	96
49) 1,4-Dioxane	9.10	88	40386	1040.520	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1273537	273.614	ug/l	98
52) Toluene	10.52	92	849789	50.294	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	628787	55.095	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	655015	52.803	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	308860	53.206	ug/l	92
56) Ethyl methacrylate	11.05	69	322142	51.928	ug/l	93
57) 1,3-Dichloropropane	11.42	76	465647	52.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	847889	266.224	ug/l	98
59) 2-Hexanone	11.54	43	930389	280.670	ug/l	97
60) Dibromochloromethane	11.70	129	584099	54.021	ug/l	95
61) 1,2-Dibromoethane	11.82	107	378060	55.144	ug/l	98
64) Tetrachloroethene	11.26	164	443805	48.774	ug/l	95
65) Chlorobenzene	12.41	112	1111772	54.184	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	524753	54.687	ug/l	94
67) Ethyl Benzene	12.52	91	1949388	52.917	ug/l	97
68) m/p-Xylenes	12.67	106	1388049	108.183	ug/l	95
69) o-Xylene	13.06	106	626543	53.418	ug/l	96
70) Styrene	13.08	104	1095966	53.198	ug/l	96
71) Bromoform	13.24	173	360834	54.885	ug/l	97
73) Isopropylbenzene	13.41	105	1946881	53.280	ug/l	97
74) N-amyl acetate	13.27	43	550513	62.038	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	363588	61.069	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	380342	57.811	ug/l	99
77) Bromobenzene	13.68	156	550072	55.967	ug/l	96
78) n-propylbenzene	13.78	91	2300006	54.079	ug/l	96
79) 2-Chlorotoluene	13.84	91	1379268	56.748	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1681289	54.778	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	108163	62.730	ug/l	95
82) 4-Chlorotoluene	13.95	91	1632920	55.805	ug/l	100
83) tert-Butylbenzene	14.19	119	1913759	55.938	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1736489	55.199	ug/l	97
85) sec-Butylbenzene	14.38	105	2086209	56.105	ug/l	100
86) p-Isopropyltoluene	14.49	119	1810208	53.214	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1032916	58.628	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	928760	52.485	ug/l	96
89) n-Butylbenzene	14.80	91	1727431	54.255	ug/l	97
90) Hexachloroethane	15.02	117	538179	58.842	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	801416	53.166	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	61576	52.989	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	599834	50.941	ug/l	98
94) Hexachlorobutadiene	16.04	225	475649	52.876	ug/l	98
95) Naphthalene	16.13	128	897653	54.390	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	501752	55.459	ug/l	99

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

