

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063014.D
 Acq On : 2 Jul 2019 20:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:36:46 AM

Quant Time: Jul 03 01:37:28 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	802058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1074648	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	965864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	517958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	447237	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	6.93	113	462037	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.42	98	1061092	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	13.56	95	464212	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	480097	46.257	ug/l	93
3) Chloromethane	1.75	50	371445	47.587	ug/l	93
4) Vinyl Chloride	1.84	62	388363	50.181	ug/l	98
5) Bromomethane	2.15	94	184802	50.989	ug/l	95
6) Chloroethane	2.27	64	196237	56.007	ug/l	97
7) Trichlorofluoromethane	2.53	101	856918	54.711	ug/l	98
8) Diethyl Ether	2.88	74	114478	57.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	462567	54.514	ug/l	89
10) Methyl Iodide	3.30	142	621489	55.517	ug/l	99
11) Tert butyl alcohol	4.10	59	118688	298.910	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	340990	53.569	ug/l	92
13) Acrolein	3.03	56	74625	184.095	ug/l	92
14) Allyl chloride	3.62	41	527573	56.092	ug/l	98
15) Acrylonitrile	4.20	53	275626	295.417	ug/l #	92
16) Acetone	3.23	43	450640	255.030	ug/l	95
17) Carbon Disulfide	3.38	76	1012847	49.787	ug/l	96
18) Methyl Acetate	3.64	43	152492	57.942	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	804010	58.347	ug/l	99
20) Methylene Chloride	3.81	84	378551	56.934	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	373579	55.119	ug/l	92
22) Diisopropyl ether	5.13	45	1141629	59.685	ug/l	97
23) Vinyl Acetate	5.07	43	3531062	295.017	ug/l	98
24) 1,1-Dichloroethane	4.99	63	733229	58.877	ug/l	97
25) 2-Butanone	6.08	43	487138	298.752	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	727262	55.095	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	427905	59.702	ug/l	96
28) Bromochloromethane	6.45	49	237728	54.200	ug/l	94
29) Tetrahydrofuran	6.47	42	234856	304.419	ug/l	97
30) Chloroform	6.67	83	897260	59.243	ug/l	100
31) Cyclohexane	6.96	56	437133	53.393	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	884436	56.065	ug/l	95
36) 1,1-Dichloropropene	7.16	75	577910	56.808	ug/l	93
37) Ethyl Acetate	6.19	43	245748	57.675	ug/l #	94
38) Carbon Tetrachloride	7.12	117	892357m	58.324	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	466755	52.124	ug/l	96
40) Benzene	7.46	78	1220308	59.759	ug/l	96
41) Methacrylonitrile	6.46	41	311803	58.119	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	644160	57.825	ug/l	100
43) Isopropyl Acetate	9.24	43	339151	63.590	ug/l	97
44) Trichloroethene	8.55	130	475993	59.457	ug/l	95
45) 1,2-Dichloropropane	8.95	63	295268	58.150	ug/l	97
46) Dibromomethane	9.07	93	257430	59.019	ug/l	96
47) Bromodichloromethane	9.38	83	705076	62.242	ug/l	98
48) Methyl methacrylate	9.13	41	222823	58.791	ug/l	93
49) 1,4-Dioxane	9.09	88	39134	1241.085	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1151246	304.454	ug/l	98
52) Toluene	10.51	92	788346	57.432	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	555759	59.941	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	605858	60.119	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	288076	61.085	ug/l	92
56) Ethyl methacrylate	11.05	69	312599	62.025	ug/l	97
57) 1,3-Dichloropropane	11.41	76	411764	57.024	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	788944	304.917	ug/l	95
59) 2-Hexanone	11.54	43	803033	298.189	ug/l	98
60) Dibromochloromethane	11.70	129	541483	61.643	ug/l	99
61) 1,2-Dibromoethane	11.81	107	317308	56.970	ug/l	94
64) Tetrachloroethene	11.26	164	458204	57.641	ug/l	99
65) Chlorobenzene	12.40	112	1014527	56.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	474283	56.577	ug/l	94
67) Ethyl Benzene	12.53	91	1749137	54.350	ug/l	100
68) m/p-Xylenes	12.67	106	1256062	112.058	ug/l	99
69) o-Xylene	13.05	106	591593	57.735	ug/l	97
70) Styrene	13.07	104	1006378	55.916	ug/l	95
71) Bromoform	13.24	173	346783	60.378	ug/l	97
73) Isopropylbenzene	13.41	105	1845573	55.572	ug/l	100
74) N-amyl acetate	13.27	43	478124	59.283	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	320574	59.244	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	369094	61.727	ug/l	99
77) Bromobenzene	13.67	156	537527	60.175	ug/l	97
78) n-propylbenzene	13.77	91	2251828	58.256	ug/l	94
79) 2-Chlorotoluene	13.84	91	1280448	57.965	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1558194	55.858	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	95544	60.968	ug/l	93
82) 4-Chlorotoluene	13.95	91	1484321	55.813	ug/l	98
83) tert-Butylbenzene	14.20	119	1755264	56.451	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1561041	54.598	ug/l	96
85) sec-Butylbenzene	14.37	105	1953668	57.810	ug/l	99
86) p-Isopropyltoluene	14.49	119	1697595	54.908	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	966157	60.338	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	887083	55.157	ug/l	98
89) n-Butylbenzene	14.80	91	1697841	58.674	ug/l	99
90) Hexachloroethane	15.01	117	485549	58.411	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	857886	62.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	61147	57.897	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	634145	59.256	ug/l	99
94) Hexachlorobutadiene	16.04	225	479900	58.698	ug/l	97
95) Naphthalene	16.13	128	904761	60.318	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	495765	60.293	ug/l	100

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

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