

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063016.D
 Acq On : 3 Jul 2019 10:43
 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
 7/9/2019 8:54:06 AM

Quant Time: Jul 04 01:20:44 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	7.04	168	842162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1142486	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1065449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	585159	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	485146	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	6.92	113	506943	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.41	98	1066970	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	13.56	95	514036	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	505279	46.365	ug/l	98
3) Chloromethane	1.75	50	383803	46.829	ug/l	92
4) Vinyl Chloride	1.84	62	397414	48.905	ug/l	100
5) Bromomethane	2.15	94	192496	50.582	ug/l	93
6) Chloroethane	2.27	64	199433	54.208	ug/l	99
7) Trichlorofluoromethane	2.52	101	883490	53.721	ug/l	96
8) Diethyl Ether	2.87	74	117961	56.452	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.14	101	482826	54.192	ug/l	93
10) Methyl Iodide	3.30	142	600570	51.094	ug/l	98
11) Tert butyl alcohol	4.07	59	118862	285.093	ug/l	98
12) 1,1-Dichloroethene	3.12	96	349908	52.353	ug/l	92
13) Acrolein	3.03	56	86852	204.055	ug/l	97
14) Allyl chloride	3.62	41	543771	55.061	ug/l	91
15) Acrylonitrile	4.20	53	272949	278.617	ug/l #	92
16) Acetone	3.22	43	512532	276.842	ug/l	96
17) Carbon Disulfide	3.37	76	996003	46.628	ug/l	99
18) Methyl Acetate	3.64	43	165857	60.019	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	808138	55.853	ug/l	97
20) Methylene Chloride	3.81	84	363250	52.031	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	365434	51.349	ug/l	86
22) Diisopropyl ether	5.12	45	1169226	58.217	ug/l	100
23) Vinyl Acetate	5.05	43	3573900	284.377	ug/l	99
24) 1,1-Dichloroethane	4.98	63	712637	54.498	ug/l	99
25) 2-Butanone	6.08	43	518771	303.001	ug/l	99
26) 2,2-Dichloropropane	6.02	77	810656	58.488	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	435815	57.910	ug/l	93
28) Bromochloromethane	6.44	49	258849	56.205	ug/l	96
29) Tetrahydrofuran	6.46	42	237493	293.178	ug/l	96
30) Chloroform	6.67	83	924726	58.149	ug/l	98
31) Cyclohexane	6.95	56	452566	52.646	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	933561	56.361	ug/l	97
36) 1,1-Dichloropropene	7.15	75	575584	53.220	ug/l	95
37) Ethyl Acetate	6.19	43	247014	54.469	ug/l	97
38) Carbon Tetrachloride	7.11	117	887030m	54.534	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	466639	49.017	ug/l	97
40) Benzene	7.46	78	1211485	55.804	ug/l	97
41) Methacrylonitrile	6.45	41	336484	58.996	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	669326	56.516	ug/l	100
43) Isopropyl Acetate	9.25	43	323886	57.122	ug/l	97
44) Trichloroethene	8.54	130	451164	53.009	ug/l	98
45) 1,2-Dichloropropane	8.93	63	278879	51.661	ug/l	93
46) Dibromomethane	9.06	93	267138	57.608	ug/l	98
47) Bromodichloromethane	9.38	83	720358	59.815	ug/l	95
48) Methyl methacrylate	9.12	41	252089	62.564	ug/l	97
49) 1,4-Dioxane	9.09	88	40075	1195.463	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	1208877	300.712	ug/l	97
52) Toluene	10.51	92	790054	54.139	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	583391	59.185	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	600807	56.077	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	268604	53.574	ug/l	94
56) Ethyl methacrylate	11.05	69	309387	57.743	ug/l	94
57) 1,3-Dichloropropane	11.41	76	452694	58.970	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	749971	272.644	ug/l	97
59) 2-Hexanone	11.53	43	919069	321.012	ug/l	95
60) Dibromochloromethane	11.69	129	528791	56.624	ug/l	100
61) 1,2-Dibromoethane	11.81	107	351759	59.405	ug/l	99
64) Tetrachloroethene	11.26	164	415744	47.411	ug/l	99
65) Chlorobenzene	12.40	112	1019342	51.551	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	497625	53.813	ug/l	94
67) Ethyl Benzene	12.53	91	1911147	53.833	ug/l	99
68) m/p-Xylenes	12.66	106	1176326	95.135	ug/l	99
69) o-Xylene	13.05	106	611379	54.089	ug/l	100
70) Styrene	13.08	104	1050391	52.906	ug/l	93
71) Bromoform	13.23	173	355270	56.074	ug/l	95
73) Isopropylbenzene	13.40	105	1799662	47.966	ug/l	99
74) N-amyl acetate	13.26	43	531597	58.344	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	330933	54.135	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	371652	55.017	ug/l	100
77) Bromobenzene	13.67	156	535003	53.015	ug/l	90
78) n-propylbenzene	13.78	91	2253693	51.609	ug/l	96
79) 2-Chlorotoluene	13.84	91	1275022	51.091	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1628550	51.676	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	102362	57.817	ug/l	87
82) 4-Chlorotoluene	13.95	91	1505855	50.120	ug/l	95
83) tert-Butylbenzene	14.19	119	1868095	53.180	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1642806	50.859	ug/l	99
85) sec-Butylbenzene	14.37	105	1930744	50.570	ug/l	94
86) p-Isopropyltoluene	14.49	119	1733837	49.640	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	936103	51.747	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	943532	51.929	ug/l	97
89) n-Butylbenzene	14.80	91	1686297	51.582	ug/l	96
90) Hexachloroethane	15.01	117	498647	53.098	ug/l	81
91) 1,2-Dichlorobenzene	14.81	146	806044	52.079	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	67624	56.676	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	617807	51.099	ug/l	96
94) Hexachlorobutadiene	16.04	225	473529	51.267	ug/l	98
95) Naphthalene	16.13	128	912551	53.851	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	504478	54.306	ug/l	98

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

