

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD033119\
 Data File : VD061443.D
 Acq On : 31 Mar 2019 13:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:09:06 PM

Quant Time: Apr 01 03:40:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	652570	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1092485	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	891842	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	376206	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.49	65	292224	52.42	ug/l	0.05
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	6.95	113	461246	55.25	ug/l	0.05
Spiked Amount	50.000		Recovery	=	110.50%	
50) Toluene-d8	10.44	98	1138768	56.87	ug/l	0.05
Spiked Amount	50.000		Recovery	=	113.74%	
62) 4-Bromofluorobenzene	13.57	95	444710	57.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	314809	45.172	ug/l	99
3) Chloromethane	1.77	50	238712	41.999	ug/l	99
4) Vinyl Chloride	1.86	62	230349	44.139	ug/l	97
5) Bromomethane	2.17	94	43440	41.977	ug/l #	91
6) Chloroethane	2.28	64	75737	49.489	ug/l	100
7) Trichlorofluoromethane	2.54	101	331450	43.677	ug/l	95
8) Diethyl Ether	2.89	74	114205	46.742	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	375516	46.028	ug/l	97
10) Methyl Iodide	3.33	142	488677	40.135	ug/l	98
11) Tert butyl alcohol	4.08	59	94454	272.074	ug/l	99
12) 1,1-Dichloroethene	3.15	96	312263	44.581	ug/l	98
13) Acrolein	3.06	56	73476	280.587	ug/l	93
14) Allyl chloride	3.65	41	449644	46.025	ug/l	99
15) Acrylonitrile	4.22	53	306475	254.350	ug/l	95
16) Acetone	3.24	43	395967	276.316	ug/l	99
17) Carbon Disulfide	3.40	76	969230	42.589	ug/l	99
18) Methyl Acetate	3.67	43	142931	47.438	ug/l	97
19) Methyl tert-butyl Ether	4.27	73	598959	49.400	ug/l	99
20) Methylene Chloride	3.84	84	341849	42.287	ug/l	98
21) trans-1,2-Dichloroethene	4.25	96	355051	46.950	ug/l	97
22) Diisopropyl ether	5.15	45	970855	46.960	ug/l	99
23) Vinyl Acetate	5.09	43	2611486	232.546	ug/l	99
24) 1,1-Dichloroethane	5.02	63	571967	47.076	ug/l	99
25) 2-Butanone	6.10	43	460494	255.459	ug/l	99
26) 2,2-Dichloropropane	6.06	77	457995	47.419	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	381733	46.073	ug/l	94
28) Bromochloromethane	6.47	49	233531	47.616	ug/l #	93
29) Tetrahydrofuran	6.48	42	232885	266.545	ug/l	99
30) Chloroform	6.70	83	601817	47.938	ug/l	99
31) Cyclohexane	6.98	56	462778	48.200	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	529542	47.812	ug/l	99
36) 1,1-Dichloropropene	7.18	75	453417	47.553	ug/l	98
37) Ethyl Acetate	6.22	43	211398	51.840	ug/l	97
38) Carbon Tetrachloride	7.14	117	527356m	48.131	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	455046	45.823	ug/l	96
40) Benzene	7.49	78	1105435	46.194	ug/l	96
41) Methacrylonitrile	6.47	41	252074	52.868	ug/l #	95
42) 1,2-Dichloroethane	7.61	62	344162	48.080	ug/l	100
43) Isopropyl Acetate	9.27	43	309781	52.211	ug/l #	97
44) Trichloroethene	8.57	130	421428	47.322	ug/l	98
45) 1,2-Dichloropropane	8.96	63	285702	47.084	ug/l	99
46) Dibromomethane	9.09	93	200481	49.087	ug/l	98
47) Bromodichloromethane	9.40	83	456380	49.786	ug/l	97
48) Methyl methacrylate	9.15	41	166111	50.729	ug/l	96
49) 1,4-Dioxane	9.10	88	38961	1078.741	ug/l	95
51) 4-Methyl-2-Pentanone	10.33	43	900047	249.340	ug/l	96
52) Toluene	10.54	92	687299	47.078	ug/l	100
53) t-1,3-Dichloropropene	10.94	75	419120	50.324	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	492566	48.570	ug/l	98
55) 1,1,2-Trichloroethane	11.22	97	237297	46.478	ug/l	98
56) Ethyl methacrylate	11.07	69	258237	47.082	ug/l	97
57) 1,3-Dichloropropane	11.43	76	358306	47.746	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.89	63	682431	255.489	ug/l	95
59) 2-Hexanone	11.55	43	693360	265.112	ug/l	98
60) Dibromochloromethane	11.71	129	392132	49.820	ug/l	99
61) 1,2-Dibromoethane	11.83	107	281156	47.556	ug/l	99
64) Tetrachloroethene	11.29	164	319745	45.682	ug/l	98
65) Chlorobenzene	12.42	112	853969	46.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.54	131	323429	45.831	ug/l	99
67) Ethyl Benzene	12.55	91	1259865	45.286	ug/l	98
68) m/p-Xylenes	12.68	106	897341	85.150	ug/l	95
69) o-Xylene	13.07	106	440948	43.118	ug/l	98
70) Styrene	13.09	104	749626	42.050	ug/l	96
71) Bromoform	13.25	173	225785	50.472	ug/l	99
73) Isopropylbenzene	13.42	105	1427031	54.501	ug/l	99
74) N-amyl acetate	13.28	43	388485	53.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	285685	51.722	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	265534	48.862	ug/l	99
77) Bromobenzene	13.69	156	382221	49.240	ug/l	88
78) n-propylbenzene	13.79	91	1588443	49.573	ug/l	96
79) 2-Chlorotoluene	13.85	91	894826	51.432	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1119209	55.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	89580	54.063	ug/l	96
82) 4-Chlorotoluene	13.96	91	979647	51.784	ug/l	96
83) tert-Butylbenzene	14.20	119	1267379	49.919	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1122457	51.035	ug/l	100
85) sec-Butylbenzene	14.39	105	1368424	50.736	ug/l	94
86) p-Isopropyltoluene	14.50	119	1234434	54.125	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	629863	47.918	ug/l	94
88) 1,4-Dichlorobenzene	14.55	146	636279	49.637	ug/l	99
89) n-Butylbenzene	14.81	91	1119985	53.503	ug/l	100
90) Hexachloroethane	15.03	117	330798	51.340	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	568692	52.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	38462	59.372	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	301087	61.302	ug/l	99
94) Hexachlorobutadiene	16.05	225	226932	59.128	ug/l	98
95) Naphthalene	16.14	128	497041	66.392	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	180427	83.481	ug/l	97

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

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