

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061861.D
 Acq On : 8 Mar 2019 13:27
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:12:07 AM

Quant Time: Mar 09 02:02:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	313803	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	487856	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	409072	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	225104	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	126585	55.39	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	110.78%	
35) Dibromofluoromethane	4.08	113	179306	52.67	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	105.34%	
50) Toluene-d8	7.53	98	523366	51.72	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.39	95	203264	51.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	178246	46.267	ug/l	94
3) Chloromethane	1.09	50	178487	47.804	ug/l	95
4) Vinyl Chloride	1.14	62	171758	48.459	ug/l	97
5) Bromomethane	1.32	94	127998	52.990	ug/l	100
6) Chloroethane	1.37	64	93687	55.607	ug/l	96
7) Trichlorofluoromethane	1.47	101	233239	53.880	ug/l	99
8) Diethyl Ether	1.62	74	50219	51.015	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	156251	53.152	ug/l	99
10) Methyl Iodide	1.88	142	286186m	51.158	ug/l	
11) Tert butyl alcohol	2.56	59	31602	243.638	ug/l	96
12) 1,1-Dichloroethene	1.78	96	129735	48.340	ug/l	96
13) Acrolein	1.98	56	41776	254.180	ug/l	99
14) Allyl chloride	2.08	41	208649	70.570	ug/l	95
15) Acrylonitrile	2.92	53	105027	254.286	ug/l	99
16) Acetone	2.22	43	144981	302.867	ug/l	100
17) Carbon Disulfide	1.82	76	425839m	50.974	ug/l	
18) Methyl Acetate	2.33	43	50129	54.364	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	226420	49.872	ug/l	99
20) Methylene Chloride	2.17	84	134780m	50.770	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	138313	54.759	ug/l	89
22) Diisopropyl ether	2.78	45	388967	50.575	ug/l	97
23) Vinyl Acetate	3.17	43	864913	251.735	ug/l	98
24) 1,1-Dichloroethane	2.85	63	234984	51.117	ug/l	99
25) 2-Butanone	4.30	43	240963	247.469	ug/l	96
26) 2,2-Dichloropropane	3.57	77	117864	57.435	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	174788	49.948	ug/l	99
28) Bromochloromethane	3.69	49	104613	52.206	ug/l #	89
29) Tetrahydrofuran	4.05	42	99076	235.934	ug/l	98
30) Chloroform	3.83	83	268974	51.226	ug/l	95
31) Cyclohexane	3.67	56	239110	49.661	ug/l	99
32) 1,1,1-Trichloroethane	4.06	97	199110	61.520	ug/l	100
36) 1,1-Dichloropropene	4.25	75	220127	47.767	ug/l	98
37) Ethyl Acetate	4.07	43	87982	45.486	ug/l #	89
38) Carbon Tetrachloride	3.96	117	171321	52.516	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	257442	47.297	ug/l	96
40) Benzene	4.61	78	558072	46.330	ug/l	100
41) Methacrylonitrile	4.72	41	47900	45.199	ug/l	94
42) 1,2-Dichloroethane	4.91	62	138330	46.081	ug/l	100
43) Isopropyl Acetate	6.93	43	102599	43.031	ug/l #	95
44) Trichloroethene	5.47	130	173754	46.416	ug/l	97
45) 1,2-Dichloropropane	6.20	63	133552	46.625	ug/l	99
46) Dibromomethane	6.06	93	81910	45.437	ug/l	96
47) Bromodichloromethane	6.35	83	188004	47.205	ug/l	99
48) Methyl methacrylate	6.69	41	67785	44.921	ug/l	94
49) 1,4-Dioxane	6.68	88	11448	829.910	ug/l	86
51) 4-Methyl-2-Pentanone	8.23	43	362898	220.220	ug/l	97
52) Toluene	7.60	92	324866	45.589	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	151301	46.023	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	213708	47.129	ug/l	98
55) 1,1,2-Trichloroethane	8.46	97	93490	45.535	ug/l	97
56) Ethyl methacrylate	8.59	69	112511	48.624	ug/l	97
57) 1,3-Dichloropropane	8.83	76	156393	46.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	105555	288.372	ug/l	97
59) 2-Hexanone	9.47	43	273682	230.215	ug/l	98
60) Dibromochloromethane	8.69	129	139114	47.540	ug/l	98
61) 1,2-Dibromoethane	8.96	107	104721	46.382	ug/l	98
64) Tetrachloroethene	8.13	164	147402	46.894	ug/l	98
65) Chlorobenzene	9.77	112	372430	47.388	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.90	131	146884	48.238	ug/l	97
67) Ethyl Benzene	9.87	91	622815	47.812	ug/l	99
68) m/p-Xylenes	10.11	106	468739	93.932	ug/l	96
69) o-Xylene	10.69	106	254183	47.303	ug/l	98
70) Styrene	10.77	104	361108	47.751	ug/l	98
71) Bromoform	10.75	173	78720	48.915	ug/l	97
73) Isopropylbenzene	11.11	105	731964	47.232	ug/l	98
74) N-amyl acetate	11.35	43	160827	45.079	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	118880	46.155	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	86733	49.339	ug/l	94
77) Bromobenzene	11.48	156	170990	45.846	ug/l	82
78) n-propylbenzene	11.58	91	815590	46.603	ug/l	94
79) 2-Chlorotoluene	11.70	91	461751	46.150	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	583408	46.889	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	38344m	47.701	ug/l	
82) 4-Chlorotoluene	11.87	91	472003	46.121	ug/l	99
83) tert-Butylbenzene	12.11	119	634957	48.060	ug/l	92
84) 1,2,4-Trimethylbenzene	12.19	105	574849	47.129	ug/l	96
85) sec-Butylbenzene	12.29	105	821987	47.810	ug/l	97
86) p-Isopropyltoluene	12.44	119	726807	49.732	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	338764	47.835	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	328517	48.089	ug/l	99
89) n-Butylbenzene	12.83	91	666672	47.733	ug/l	97
90) Hexachloroethane	12.90	117	170971	48.603	ug/l	82
91) 1,2-Dichlorobenzene	12.92	146	303693	45.262	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	20310	45.755	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	228100	48.491	ug/l	97
94) Hexachlorobutadiene	14.17	225	153693	47.197	ug/l	97
95) Naphthalene	14.44	128	402459	48.037	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	213909	49.251	ug/l	96

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

