

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061293.D
 Acq On : 9 Jan 2019 11:07
 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
 1/10/2019 2:02:32 PM

Quant Time: Jan 10 06:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	171261	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	302972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	279052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	140418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	101312	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	4.13	113	116807	50.39	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	7.57	98	360281	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.42	95	156269	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	176947	56.012	ug/l	100
3) Chloromethane	1.08	50	155832	55.356	ug/l	99
4) Vinyl Chloride	1.13	62	139514	55.489	ug/l	97
5) Bromomethane	1.30	94	100963	52.173	ug/l	90
6) Chloroethane	1.37	64	66781	54.391	ug/l	89
7) Trichlorofluoromethane	1.46	101	239853	56.273	ug/l	92
8) Diethyl Ether	1.64	74	33780	53.971	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.81	101	124919	55.505	ug/l	96
10) Methyl Iodide	1.85	142	202764	57.506	ug/l	96
11) Tert butyl alcohol	2.57	59	20627	270.262	ug/l #	88
12) 1,1-Dichloroethene	1.76	96	104293	57.951	ug/l	89
13) Acrolein	2.01	56	21675	262.193	ug/l	92
14) Allyl chloride	2.11	41	185768	56.472	ug/l	96
15) Acrylonitrile	2.95	53	76732	283.604	ug/l	93
16) Acetone	2.25	43	143034	322.557	ug/l	93
17) Carbon Disulfide	1.77	76	339868	57.175	ug/l	100
18) Methyl Acetate	2.36	43	52084m	59.699	ug/l	
19) Methyl tert-butyl Ether	2.44	73	186924	54.505	ug/l	99
20) Methylene Chloride	2.19	84	102649	54.717	ug/l	96
21) trans-1,2-Dichloroethene	2.32	96	111571	58.504	ug/l	96
22) Diisopropyl ether	2.81	45	364579	57.287	ug/l	99
23) Vinyl Acetate	3.20	43	550480	295.771	ug/l	99
24) 1,1-Dichloroethane	2.89	63	214049	58.144	ug/l	100
25) 2-Butanone	4.35	43	209359	293.340	ug/l	98
26) 2,2-Dichloropropane	3.62	77	148509	60.369	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	153114	57.506	ug/l	96
28) Bromochloromethane	3.74	49	95049	58.559	ug/l #	98
29) Tetrahydrofuran	4.09	42	80139	268.556	ug/l	96
30) Chloroform	3.88	83	258277	55.267	ug/l	96
31) Cyclohexane	3.72	56	227561	58.922	ug/l	97
32) 1,1,1-Trichloroethane	4.12	97	219198	58.070	ug/l	98
36) 1,1-Dichloropropene	4.30	75	196221	55.461	ug/l	99
37) Ethyl Acetate	4.12	43	69718	54.112	ug/l	92
38) Carbon Tetrachloride	4.01	117	207810	62.017	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	240101	54.237	ug/l	95
40) Benzene	4.65	78	447552	54.183	ug/l	98
41) Methacrylonitrile	4.76	41	39592	55.028	ug/l	96
42) 1,2-Dichloroethane	4.96	62	132241	51.423	ug/l	99
43) Isopropyl Acetate	6.97	43	97129	57.101	ug/l	99
44) Trichloroethene	5.52	130	131759	54.506	ug/l	95
45) 1,2-Dichloropropane	6.25	63	123547	58.818	ug/l	100
46) Dibromomethane	6.10	93	73398	56.912	ug/l	96
47) Bromodichloromethane	6.40	83	181950	56.727	ug/l	97
48) Methyl methacrylate	6.74	41	62026	56.178	ug/l	91
49) 1,4-Dioxane	6.72	88	7003	1005.206	ug/l #	87
51) 4-Methyl-2-Pentanone	8.27	43	348221	271.220	ug/l	99
52) Toluene	7.64	92	303619	57.188	ug/l	97
53) t-1,3-Dichloropropene	8.29	75	139315	55.308	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	196926	58.963	ug/l	95
55) 1,1,2-Trichloroethane	8.51	97	82378	55.449	ug/l	99
56) Ethyl methacrylate	8.63	69	95599	57.575	ug/l	96
57) 1,3-Dichloropropane	8.87	76	143923	54.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	16845	238.063	ug/l #	87
59) 2-Hexanone	9.51	43	249658	274.475	ug/l	100
60) Dibromochloromethane	8.73	129	117525	59.408	ug/l	97
61) 1,2-Dibromoethane	9.00	107	80544	53.185	ug/l	99
64) Tetrachloroethene	8.17	164	116141	57.163	ug/l	98
65) Chlorobenzene	9.81	112	318313	56.488	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	126292	54.926	ug/l	97
67) Ethyl Benzene	9.91	91	582460	53.609	ug/l	98
68) m/p-Xylenes	10.15	106	429306	113.277	ug/l	92
69) o-Xylene	10.73	106	236841	55.944	ug/l	97
70) Styrene	10.80	104	310215	55.004	ug/l	99
71) Bromoform	10.79	173	55246	58.792	ug/l #	92
73) Isopropylbenzene	11.14	105	690379	55.874	ug/l	99
74) N-amyl acetate	11.38	43	159179	56.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	103172	52.662	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	78351	54.528	ug/l	97
77) Bromobenzene	11.51	156	137505	55.939	ug/l	96
78) n-propylbenzene	11.61	91	782177	53.093	ug/l	98
79) 2-Chlorotoluene	11.73	91	446082	54.348	ug/l	93
80) 1,3,5-Trimethylbenzene	11.84	105	550443	55.986	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	32071m	51.075	ug/l	
82) 4-Chlorotoluene	11.91	91	445662	53.435	ug/l	100
83) tert-Butylbenzene	12.14	119	508189	51.881	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	521546	53.430	ug/l	100
85) sec-Butylbenzene	12.32	105	730551	52.379	ug/l	99
86) p-Isopropyltoluene	12.47	119	607839	53.581	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	256039	53.336	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	259993	56.336	ug/l	97
89) n-Butylbenzene	12.85	91	626921	53.785	ug/l	98
90) Hexachloroethane	12.93	117	146430	56.428	ug/l	93
91) 1,2-Dichlorobenzene	12.95	146	240444	52.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17400	52.565	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	178149	56.500	ug/l	96
94) Hexachlorobutadiene	14.20	225	113896	56.110	ug/l	99
95) Naphthalene	14.47	128	337639	56.822	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	164769	55.475	ug/l	95

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

