

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061436.D
 Acq On : 17 Jan 2019 10:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:41:50 PM

Quant Time: Jan 18 03:22:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	197959	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	330746	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	292417	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	145487	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	115927	47.43	ug/l	-0.01
Spiked Amount 50.000			Recovery =	94.86%		
35) Dibromofluoromethane	4.08	113	133812	51.27	ug/l	-0.02
Spiked Amount 50.000			Recovery =	102.54%		
50) Toluene-d8	7.53	98	394257	55.14	ug/l	-0.01
Spiked Amount 50.000			Recovery =	110.28%		
62) 4-Bromofluorobenzene	11.39	95	160446	48.02	ug/l	-0.01
Spiked Amount 50.000			Recovery =	96.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	183938	47.290	ug/l	98
3) Chloromethane	1.09	50	128319	44.992	ug/l	99
4) Vinyl Chloride	1.13	62	121596	47.929	ug/l	98
5) Bromomethane	1.31	94	86575	52.331	ug/l	95
6) Chloroethane	1.38	64	61814	54.987	ug/l	95
7) Trichlorofluoromethane	1.47	101	213991	43.388	ug/l	99
8) Diethyl Ether	1.62	74	31082	49.183	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	110002	46.418	ug/l	96
10) Methyl Iodide	1.88	142	176056m	47.920	ug/l	
11) Tert butyl alcohol	2.55	59	21134	204.287	ug/l	99
12) 1,1-Dichloroethene	1.78	96	90948	51.656	ug/l	78
13) Acrolein	1.99	56	26692	297.498	ug/l	96
14) Allyl chloride	2.08	41	143938	71.906	ug/l	92
15) Acrylonitrile	2.93	53	64194	242.247	ug/l	96
16) Acetone	2.23	43	127515	260.072	ug/l	99
17) Carbon Disulfide	1.81	76	280512	51.097	ug/l	99
18) Methyl Acetate	2.34	43	42305	43.508	ug/l	100
19) Methyl tert-butyl Ether	2.41	73	169061	42.834	ug/l	99
20) Methylene Chloride	2.17	84	83984m	50.477	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	93872	48.460	ug/l	99
22) Diisopropyl ether	2.78	45	286911	45.792	ug/l	99
23) Vinyl Acetate	3.16	43	728947	264.320	ug/l	100
24) 1,1-Dichloroethane	2.85	63	191982	48.821	ug/l	97
25) 2-Butanone	4.31	43	209736	257.231	ug/l	98
26) 2,2-Dichloropropane	3.58	77	112610	46.609	ug/l	89
27) cis-1,2-Dichloroethene	3.45	96	141905	49.626	ug/l	93
28) Bromochloromethane	3.69	49	88490	50.061	ug/l #	91
29) Tetrahydrofuran	4.04	42	77627	221.104	ug/l	95
30) Chloroform	3.83	83	246918	46.526	ug/l	100
31) Cyclohexane	3.67	56	200000	50.915	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	188240	48.374	ug/l	99
36) 1,1-Dichloropropene	4.26	75	198600	51.788	ug/l	99
37) Ethyl Acetate	4.08	43	76807	50.105	ug/l #	96
38) Carbon Tetrachloride	3.96	117	160912	47.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	215743	51.913	ug/l	96
40) Benzene	4.60	78	450125	52.750	ug/l	100
41) Methacrylonitrile	4.71	41	40148	49.221	ug/l	98
42) 1,2-Dichloroethane	4.91	62	146375	48.138	ug/l	97
43) Isopropyl Acetate	6.93	43	95543	49.661	ug/l	96
44) Trichloroethene	5.48	130	134478	51.373	ug/l	92
45) 1,2-Dichloropropane	6.21	63	113935	50.874	ug/l	98
46) Dibromomethane	6.06	93	70278	47.193	ug/l	94
47) Bromodichloromethane	6.36	83	190345	51.661	ug/l	100
48) Methyl methacrylate	6.70	41	59073	45.725	ug/l	91
49) 1,4-Dioxane	6.69	88	8778	971.395	ug/l #	68
51) 4-Methyl-2-Pentanone	8.23	43	339226	239.841	ug/l	99
52) Toluene	7.60	92	279146	49.676	ug/l	95
53) t-1,3-Dichloropropene	8.25	75	145900	49.868	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	198581	54.301	ug/l	94
55) 1,1,2-Trichloroethane	8.46	97	81617	51.147	ug/l	95
56) Ethyl methacrylate	8.60	69	92449	49.797	ug/l	96
57) 1,3-Dichloropropane	8.83	76	143352	47.927	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	50817	259.814	ug/l	99
59) 2-Hexanone	9.47	43	258165	261.758	ug/l	99
60) Dibromochloromethane	8.70	129	112490	48.219	ug/l	94
61) 1,2-Dibromoethane	8.95	107	83968	45.965	ug/l	99
64) Tetrachloroethene	8.13	164	114593	52.111	ug/l	97
65) Chlorobenzene	9.77	112	307758	51.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.91	131	119973	50.645	ug/l	98
67) Ethyl Benzene	9.87	91	578170	53.216	ug/l	99
68) m/p-Xylenes	10.11	106	390330	99.889	ug/l	98
69) o-Xylene	10.69	106	225257	53.187	ug/l	96
70) Styrene	10.77	104	301041	51.928	ug/l	97
71) Bromoform	10.75	173	55785	52.412	ug/l #	94
73) Isopropylbenzene	11.10	105	643608	54.392	ug/l	99
74) N-amyl acetate	11.35	43	153220	54.760	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	105515	50.055	ug/l	100
76) 1,2,3-Trichloropropane	11.78	75	75143	49.610	ug/l	96
77) Bromobenzene	11.48	156	128980	51.613	ug/l	96
78) n-propylbenzene	11.58	91	731705	50.883	ug/l	99
79) 2-Chlorotoluene	11.70	91	435160	53.004	ug/l	100
80) 1,3,5-Trimethylbenzene	11.80	105	509709	53.377	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	32697m	49.658	ug/l	
82) 4-Chlorotoluene	11.88	91	419350	50.617	ug/l	97
83) tert-Butylbenzene	12.11	119	510612	51.662	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	496302	50.457	ug/l	99
85) sec-Butylbenzene	12.29	105	686490	51.146	ug/l	96
86) p-Isopropyltoluene	12.45	119	573239	52.026	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	238939	47.878	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	236784	50.143	ug/l	98
89) n-Butylbenzene	12.83	91	590593	51.974	ug/l	98
90) Hexachloroethane	12.90	117	140431	54.069	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	231331	49.485	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18768	50.197	ug/l	98

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93) 1,2,4-Trichlorobenzene	14.18	180	161269	49.246	ug/l	94
94) Hexachlorobutadiene	14.17	225	103861	51.111	ug/l	99
95) Naphthalene	14.44	128	309639	49.767	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	150731	49.722	ug/l	98

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

