

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061246.D
 Acq On : 2 Jan 2019 11:03
 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
 1/3/2019 3:08:10 PM

Quant Time: Jan 02 15:06:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	185061	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	306636	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	269997	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	135727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	119671	50.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.56%	
35) Dibromofluoromethane	4.09	113	132802	54.07	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.14%	
50) Toluene-d8	7.53	98	361882	51.99	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.40	95	170039	52.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	179228	43.568	ug/l	98
3) Chloromethane	1.10	50	119778	50.830	ug/l	99
4) Vinyl Chloride	1.13	62	113660	51.995	ug/l #	87
5) Bromomethane	1.33	94	77388	51.041	ug/l	96
6) Chloroethane	1.38	64	48388	48.040	ug/l #	87
7) Trichlorofluoromethane	1.48	101	212765	50.976	ug/l	98
8) Diethyl Ether	1.62	74	31245	54.666	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	108395	50.088	ug/l	91
10) Methyl Iodide	1.90	142	142240	41.697	ug/l	90
11) Tert butyl alcohol	2.56	59	27510	286.411	ug/l	96
12) 1,1-Dichloroethene	1.78	96	89236	54.702	ug/l	94
13) Acrolein	1.99	56	14896	214.622	ug/l	91
14) Allyl chloride	2.08	41	123227	72.587	ug/l	86
15) Acrylonitrile	2.93	53	65557	295.159	ug/l	97
16) Acetone	2.23	43	128113	269.242	ug/l #	89
17) Carbon Disulfide	1.82	76	261268m	52.997	ug/l	
18) Methyl Acetate	2.41	43	57200	58.104	ug/l	98
19) Methyl tert-butyl Ether	2.41	73	188029	51.928	ug/l	97
20) Methylene Chloride	2.17	84	85978m	57.191	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	91857	52.647	ug/l	92
22) Diisopropyl ether	2.79	45	311643	55.111	ug/l	94
23) Vinyl Acetate	3.17	43	678220	259.981	ug/l	99
24) 1,1-Dichloroethane	2.86	63	187821	56.058	ug/l	98
25) 2-Butanone	4.32	43	205893	266.803	ug/l	98
26) 2,2-Dichloropropane	3.58	77	109509	56.954	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	137742	51.567	ug/l	95
28) Bromochloromethane	3.70	49	89737	52.785	ug/l	99
29) Tetrahydrofuran	4.05	42	88194	280.791	ug/l	96
30) Chloroform	3.83	83	251669	50.095	ug/l	96
31) Cyclohexane	3.67	56	183075m	52.658	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	147696	49.049	ug/l	96
36) 1,1-Dichloropropene	4.26	75	190714	51.526	ug/l	99
37) Ethyl Acetate	4.09	43	77100	54.402	ug/l	88
38) Carbon Tetrachloride	3.97	117	154763	54.906	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	204127	61.474	ug/l	98
40) Benzene	4.61	78	403205	50.656	ug/l	96
41) Methacrylonitrile	4.72	41	39228	50.184	ug/l #	85
42) 1,2-Dichloroethane	4.92	62	150005	49.609	ug/l	97
43) Isopropyl Acetate	6.94	43	102216	57.194	ug/l #	99
44) Trichloroethene	5.48	130	137354	54.734	ug/l	96
45) 1,2-Dichloropropane	6.21	63	114473	52.861	ug/l	99
46) Dibromomethane	6.06	93	75957	54.079	ug/l	97
47) Bromodichloromethane	6.37	83	186304	51.051	ug/l	100
48) Methyl methacrylate	6.69	41	62127	49.796	ug/l	89
49) 1,4-Dioxane	6.68	88	11671	1289.207	ug/l	91
51) 4-Methyl-2-Pentanone	8.24	43	350133	285.663	ug/l	99
52) Toluene	7.61	92	273499	51.908	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	156277	53.083	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	202746	54.871	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	83374	52.784	ug/l	98
56) Ethyl methacrylate	8.60	69	92522	54.132	ug/l	97
57) 1,3-Dichloropropane	8.83	76	146192	51.174	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	50385	153.491	ug/l #	87
59) 2-Hexanone	9.48	43	254470	287.087	ug/l	97
60) Dibromochloromethane	8.70	129	122687	54.185	ug/l	96
61) 1,2-Dibromoethane	8.97	107	86495	51.274	ug/l	98
64) Tetrachloroethene	8.13	164	121765	58.626	ug/l	93
65) Chlorobenzene	9.78	112	307215	55.079	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	128159	56.225	ug/l	96
67) Ethyl Benzene	9.88	91	552415	54.363	ug/l	99
68) m/p-Xylenes	10.12	106	388829	108.729	ug/l	93
69) o-Xylene	10.70	106	216012	54.464	ug/l	95
70) Styrene	10.78	104	300764	63.556	ug/l	99
71) Bromoform	10.76	173	62473	59.241	ug/l #	99
73) Isopropylbenzene	11.11	105	640985	54.802	ug/l	100
74) N-amyl acetate	11.36	43	158305	60.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	110534	56.941	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	76876	53.215	ug/l	99
77) Bromobenzene	11.48	156	138466	54.994	ug/l	92
78) n-propylbenzene	11.58	91	716073	54.095	ug/l	99
79) 2-Chlorotoluene	11.71	91	433853	54.072	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	510033	52.957	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	32455m	52.281	ug/l	
82) 4-Chlorotoluene	11.88	91	410674	49.477	ug/l	96
83) tert-Butylbenzene	12.12	119	531408	53.620	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	499509	52.009	ug/l	99
85) sec-Butylbenzene	12.30	105	704940	54.506	ug/l	97
86) p-Isopropyltoluene	12.45	119	581344	54.152	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	242243	60.034	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	247335	53.497	ug/l	99
89) n-Butylbenzene	12.83	91	607939	58.383	ug/l	97
90) Hexachloroethane	12.91	117	148387	55.946	ug/l	77
91) 1,2-Dichlorobenzene	12.93	146	242037	53.772	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19845	55.710	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	176252	55.213	ug/l	92
94) Hexachlorobutadiene	14.18	225	119062	58.560	ug/l	95
95) Naphthalene	14.45	128	333802	57.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	163332	55.347	ug/l	96

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

