

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
 Data File : VF061140.D
 Acq On : 22 Dec 2018 12:49
 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
 12/26/2018 11:04:58 AM

Quant Time: Dec 24 03:08:47 2018
 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	4.90	168	178973	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.63	114	323360	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	297922	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	136222	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	125926	54.71	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.42%	
35) Dibromofluoromethane	4.14	113	136612	52.74	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.48%	
50) Toluene-d8	7.58	98	399863	54.47	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.94%	
62) 4-Bromofluorobenzene	11.43	95	167240	49.42	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	203619	51.180	ug/l	97
3) Chloromethane	1.11	50	136091	59.717	ug/l	94
4) Vinyl Chloride	1.14	62	123569	58.451	ug/l #	86
5) Bromomethane	1.35	94	80977	55.225	ug/l	91
6) Chloroethane	1.40	64	55782	57.264	ug/l	93
7) Trichlorofluoromethane	1.49	101	217389m	53.855	ug/l	
8) Diethyl Ether	1.63	74	33627	60.835	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	112727	53.861	ug/l	97
10) Methyl Iodide	1.93	142	181943m	55.150	ug/l	
11) Tert butyl alcohol	2.59	59	26952	290.146	ug/l	98
12) 1,1-Dichloroethene	1.81	96	89183	56.529	ug/l	91
13) Acrolein	2.01	56	9820	146.299	ug/l #	81
14) Allyl chloride	2.11	41	102092	62.183	ug/l	86
15) Acrylonitrile	2.96	53	64376	299.701	ug/l	94
16) Acetone	2.25	43	84327	183.250	ug/l	98
17) Carbon Disulfide	1.85	76	261871m	54.926	ug/l	
18) Methyl Acetate	2.35	43	58542	61.490	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	201316	57.489	ug/l	100
20) Methylene Chloride	2.27	84	93091m	64.619	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	92190m	54.635	ug/l	
22) Diisopropyl ether	2.82	45	317201	58.002	ug/l	97
23) Vinyl Acetate	3.21	43	720065	285.411	ug/l	98
24) 1,1-Dichloroethane	2.89	63	179933	55.530	ug/l	98
25) 2-Butanone	4.35	43	197905	265.176	ug/l	98
26) 2,2-Dichloropropane	3.62	77	77902	41.894	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	150917	58.422	ug/l	87
28) Bromochloromethane	3.74	49	93908	57.118	ug/l	95
29) Tetrahydrofuran	4.10	42	98538	324.396	ug/l	97
30) Chloroform	3.88	83	266781	54.910	ug/l	96
31) Cyclohexane	3.71	56	193851m	57.654	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	149914	51.479	ug/l	94
36) 1,1-Dichloropropene	4.31	75	198923	50.964	ug/l	98
37) Ethyl Acetate	4.14	43	86588	58.875	ug/l #	88
38) Carbon Tetrachloride	4.02	117	150580	50.659	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	210744	60.184	ug/l	94
40) Benzene	4.66	78	448278	53.406	ug/l	93
41) Methacrylonitrile	4.77	41	45368	55.037	ug/l	93
42) 1,2-Dichloroethane	4.97	62	165128	51.786	ug/l	99
43) Isopropyl Acetate	6.99	43	110229	58.488	ug/l #	99
44) Trichloroethene	5.53	130	138455	52.319	ug/l	100
45) 1,2-Dichloropropane	6.26	63	124650	54.583	ug/l	99
46) Dibromomethane	6.11	93	80232	54.168	ug/l	92
47) Bromodichloromethane	6.41	83	198510	51.582	ug/l	96
48) Methyl methacrylate	6.74	41	75920	57.704	ug/l	97
49) 1,4-Dioxane	6.73	88	11670	1222.425	ug/l #	76
51) 4-Methyl-2-Pentanone	8.28	43	347488	268.842	ug/l	97
52) Toluene	7.65	92	292623	52.665	ug/l	94
53) t-1,3-Dichloropropene	8.30	75	144974	46.697	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	189218	48.561	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	87958	52.806	ug/l	95
56) Ethyl methacrylate	8.65	69	105861	58.733	ug/l	95
57) 1,3-Dichloropropane	8.87	76	165560	54.956	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	95003	274.445	ug/l	96
59) 2-Hexanone	9.51	43	241029	257.859	ug/l	99
60) Dibromochloromethane	8.74	129	128483	53.810	ug/l	99
61) 1,2-Dibromoethane	9.01	107	98423	55.327	ug/l	97
64) Tetrachloroethene	8.18	164	142136	62.020	ug/l	93
65) Chlorobenzene	9.82	112	334489	54.347	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	133937	53.252	ug/l	95
67) Ethyl Benzene	9.93	91	587775	52.421	ug/l	98
68) m/p-Xylenes	10.16	106	398770	101.057	ug/l	97
69) o-Xylene	10.74	106	233489	53.352	ug/l	93
70) Styrene	10.82	104	298696	56.662	ug/l	99
71) Bromoform	10.80	173	63023	54.161	ug/l #	100
73) Isopropylbenzene	11.14	105	667117	56.829	ug/l	98
74) N-amyl acetate	11.39	43	155437	59.640	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	118087	60.611	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	80454	55.489	ug/l	100
77) Bromobenzene	11.52	156	136944	54.192	ug/l	86
78) n-propylbenzene	11.61	91	757525	57.963	ug/l	99
79) 2-Chlorotoluene	11.73	91	450269	55.914	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	515667	53.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	36513m	58.605	ug/l	
82) 4-Chlorotoluene	11.92	91	432757	51.948	ug/l	98
83) tert-Butylbenzene	12.15	119	534602	53.747	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	516003	53.532	ug/l	97
85) sec-Butylbenzene	12.33	105	716682	55.212	ug/l	98
86) p-Isopropyltoluene	12.47	119	553162	51.340	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	237778	58.581	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	250228	53.926	ug/l	99
89) n-Butylbenzene	12.86	91	598490	56.830	ug/l	97
90) Hexachloroethane	12.94	117	154253	57.947	ug/l	82
91) 1,2-Dichlorobenzene	12.96	146	245375	54.315	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	22777	63.709	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	168070	52.459	ug/l	95
94) Hexachlorobutadiene	14.21	225	109324	53.575	ug/l	99
95) Naphthalene	14.48	128	348315	59.537	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	160503	54.190	ug/l	96

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

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