

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060909.D
 Acq On : 4 Dec 2018 00:07
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:52:41 PM

Quant Time: Dec 04 04:24:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	178638	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	286251	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	272936	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	135138	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	124312	59.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.14%	
35) Dibromofluoromethane	4.14	113	123247	54.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	108.54%	
50) Toluene-d8	7.57	98	363736	54.37	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.74%	
62) 4-Bromofluorobenzene	11.43	95	160927	52.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	123770	46.338	ug/l	100
3) Chloromethane	1.10	50	76447	43.984	ug/l	96
4) Vinyl Chloride	1.14	62	75709	46.698	ug/l	99
5) Bromomethane	1.33	94	56274	49.225	ug/l	97
6) Chloroethane	1.41	64	37361	53.311	ug/l	92
7) Trichlorofluoromethane	1.49	101	180227m	51.812	ug/l	
8) Diethyl Ether	1.64	74	24603	49.186	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.85	101	87561	49.792	ug/l	97
10) Methyl Iodide	1.93	142	129712m	48.527	ug/l	
11) Tert butyl alcohol	2.58	59	22493	260.743	ug/l	97
12) 1,1-Dichloroethene	1.81	96	68388	48.349	ug/l	92
13) Acrolein	2.01	56	13688	167.471	ug/l	99
14) Allyl chloride	2.11	41	76712	43.512	ug/l	99
15) Acrylonitrile	2.96	53	50817	262.757	ug/l	96
16) Acetone	2.24	43	86411	222.671	ug/l	95
17) Carbon Disulfide	1.84	76	172819m	45.568	ug/l	
18) Methyl Acetate	2.35	43	35361	54.461	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	162288	50.941	ug/l	99
20) Methylene Chloride	2.27	84	63860m	44.857	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	60300m	44.219	ug/l	
22) Diisopropyl ether	2.82	45	233039	48.561	ug/l	98
23) Vinyl Acetate	3.20	43	568321	259.079	ug/l	98
24) 1,1-Dichloroethane	2.89	63	141550	49.577	ug/l	99
25) 2-Butanone	4.36	43	163500	243.587	ug/l	100
26) 2,2-Dichloropropane	3.62	77	80988	43.753	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	103191	46.481	ug/l	98
28) Bromochloromethane	3.73	49	68998	50.354	ug/l	93
29) Tetrahydrofuran	4.09	42	73022	256.650	ug/l	97
30) Chloroform	3.88	83	214332	48.776	ug/l	100
31) Cyclohexane	3.70	56	137778m	46.498	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	128955	42.315	ug/l	99
36) 1,1-Dichloropropene	4.31	75	163371	51.455	ug/l	97
37) Ethyl Acetate	4.13	43	66773	51.752	ug/l #	91
38) Carbon Tetrachloride	4.01	117	127860	45.594	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	144224	43.345	ug/l	95
40) Benzene	4.65	78	332161	47.355	ug/l	99
41) Methacrylonitrile	4.77	41	38668	58.548	ug/l	89
42) 1,2-Dichloroethane	4.96	62	135013	52.724	ug/l	96
43) Isopropyl Acetate	6.98	43	80189	50.394	ug/l #	95
44) Trichloroethene	5.53	130	107205	46.745	ug/l	94
45) 1,2-Dichloropropane	6.26	63	93368	51.253	ug/l	99
46) Dibromomethane	6.10	93	65831	53.271	ug/l	96
47) Bromodichloromethane	6.41	83	164258	50.045	ug/l	97
48) Methyl methacrylate	6.73	41	60937	52.177	ug/l	93
49) 1,4-Dioxane	6.72	88	9434	1103.725	ug/l #	79
51) 4-Methyl-2-Pentanone	8.28	43	306076	257.249	ug/l	98
52) Toluene	7.64	92	223707	45.405	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	132904	49.781	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	159280	48.192	ug/l	97
55) 1,1,2-Trichloroethane	8.51	97	71016	49.467	ug/l	97
56) Ethyl methacrylate	8.64	69	76478	47.954	ug/l	98
57) 1,3-Dichloropropane	8.87	76	132384	52.707	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	44824	274.782	ug/l	98
59) 2-Hexanone	9.51	43	214534	257.013	ug/l	98
60) Dibromochloromethane	8.74	129	105290	49.223	ug/l	100
61) 1,2-Dibromoethane	9.00	107	76647	49.421	ug/l	99
64) Tetrachloroethene	8.17	164	103188	49.498	ug/l	97
65) Chlorobenzene	9.82	112	258327	48.652	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	105174	46.076	ug/l	93
67) Ethyl Benzene	9.92	91	455566	46.087	ug/l	100
68) m/p-Xylenes	10.16	106	331739	93.310	ug/l	98
69) o-Xylene	10.73	106	194199	49.536	ug/l	88
70) Styrene	10.81	104	250215	46.042	ug/l	99
71) Bromoform	10.79	173	55782	50.593	ug/l #	91
73) Isopropylbenzene	11.14	105	565991	52.999	ug/l	98
74) N-amyl acetate	11.39	43	131209	53.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	98583	56.090	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	70711	55.350	ug/l	97
77) Bromobenzene	11.51	156	115328	49.258	ug/l	80
78) n-propylbenzene	11.61	91	615499	49.215	ug/l	100
79) 2-Chlorotoluene	11.73	91	374059	52.163	ug/l	100
80) 1,3,5-Trimethylbenzene	11.84	105	441459	50.920	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	29604m	47.295	ug/l	
82) 4-Chlorotoluene	11.91	91	365435	48.424	ug/l	100
83) tert-Butylbenzene	12.15	119	454018	51.411	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	431728	49.896	ug/l	99
85) sec-Butylbenzene	12.32	105	608446	50.329	ug/l	99
86) p-Isopropyltoluene	12.47	119	517379	51.046	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	216478	48.608	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	215258	49.597	ug/l	98
89) n-Butylbenzene	12.86	91	513184	50.073	ug/l	99
90) Hexachloroethane	12.93	117	127844	52.380	ug/l	95
91) 1,2-Dichlorobenzene	12.96	146	213425	50.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	19602	57.685	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.21	180	157184	53.340	ug/l	99
94) Hexachlorobutadiene	14.20	225	99145	50.470	ug/l	97
95) Naphthalene	14.47	128	305237	53.620	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	149502	54.639	ug/l	99

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

