

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060710.D
 Acq On : 13 Nov 2018 13:04
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:41 AM

Quant Time: Nov 14 02:59:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	209845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	368746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	319084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	179861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	118335	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
35) Dibromofluoromethane	4.13	113	129753	46.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.62%	
50) Toluene-d8	7.57	98	347930	43.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.94%	
62) 4-Bromofluorobenzene	11.42	95	168016	44.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	196165	52.234	ug/l	100
3) Chloromethane	1.12	50	122043	52.400	ug/l	100
4) Vinyl Chloride	1.15	62	110948	53.251	ug/l	100
5) Bromomethane	1.34	94	73352	55.424	ug/l	100
6) Chloroethane	1.39	64	50114	61.477	ug/l	100
7) Trichlorofluoromethane	1.51	101	259988m	56.394	ug/l	
8) Diethyl Ether	1.63	74	31970	54.158	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	115013	52.973	ug/l	100
10) Methyl Iodide	1.91	142	182479m	54.641	ug/l	
11) Tert butyl alcohol	2.58	59	29148	267.581	ug/l	100
12) 1,1-Dichloroethene	1.79	96	86182	50.340	ug/l	100
13) Acrolein	2.01	56	23411	235.047	ug/l	100
14) Allyl chloride	2.11	41	153583	51.208	ug/l	100
15) Acrylonitrile	2.95	53	61155	263.465	ug/l	100
16) Acetone	2.25	43	148716	290.688	ug/l	100
17) Carbon Disulfide	1.85	76	272320m	52.664	ug/l	
18) Methyl Acetate	2.35	43	43825	48.017	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	218318	53.156	ug/l	100
20) Methylene Chloride	2.20	84	89540m	46.276	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	98850	55.265	ug/l	100
22) Diisopropyl ether	2.81	45	306401	52.916	ug/l	100
23) Vinyl Acetate	3.20	43	756124	277.306	ug/l	100
24) 1,1-Dichloroethane	2.89	63	179948	51.332	ug/l	100
25) 2-Butanone	4.35	43	222749	264.706	ug/l	100
26) 2,2-Dichloropropane	3.62	77	142433	51.632	ug/l	100
27) cis-1,2-Dichloroethene	3.49	96	160834	52.858	ug/l	100
28) Bromochloromethane	3.73	49	93309	51.217	ug/l	100
29) Tetrahydrofuran	4.09	42	89397	257.552	ug/l	100
30) Chloroform	3.87	83	301351	53.578	ug/l	100
31) Cyclohexane	3.71	56	213930	50.281	ug/l	100
32) 1,1,1-Trichloroethane	4.11	97	232192	52.422	ug/l	100
36) 1,1-Dichloropropene	4.30	75	218883	51.182	ug/l	100
37) Ethyl Acetate	4.12	43	80218	50.454	ug/l	100
38) Carbon Tetrachloride	4.00	117	207851	50.089	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	256048	51.607	ug/l	100
40) Benzene	4.65	78	480827	50.438	ug/l	100
41) Methacrylonitrile	4.76	41	45562	47.304	ug/l	100
42) 1,2-Dichloroethane	4.96	62	167627	50.883	ug/l	100
43) Isopropyl Acetate	6.98	43	101563	48.179	ug/l	100
44) Trichloroethene	5.52	130	145490	48.372	ug/l	100
45) 1,2-Dichloropropane	6.25	63	120598	48.615	ug/l	100
46) Dibromomethane	6.10	93	84337	51.503	ug/l	100
47) Bromodichloromethane	6.40	83	224649	53.723	ug/l	100
48) Methyl methacrylate	6.73	41	67400	48.310	ug/l	100
49) 1,4-Dioxane	6.72	88	12418	951.717	ug/l	100
51) 4-Methyl-2-Pentanone	8.27	43	369222	242.168	ug/l	100
52) Toluene	7.64	92	314562	49.240	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	163696	48.876	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	202380	46.520	ug/l	100
55) 1,1,2-Trichloroethane	8.51	97	93500	51.225	ug/l	100
56) Ethyl methacrylate	8.64	69	105039	50.671	ug/l	100
57) 1,3-Dichloropropane	8.87	76	153759	48.607	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.64	63	49111	259.349	ug/l	100
59) 2-Hexanone	9.51	43	251131	234.378	ug/l	100
60) Dibromochloromethane	8.74	129	133051	51.147	ug/l	100
61) 1,2-Dibromoethane	9.00	107	100225	52.211	ug/l	100
64) Tetrachloroethene	8.17	164	138444	54.790	ug/l	100
65) Chlorobenzene	9.81	112	336226	52.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	153468	54.646	ug/l	100
67) Ethyl Benzene	9.92	91	629208	51.842	ug/l	100
68) m/p-Xylenes	10.15	106	441683	101.831	ug/l	100
69) o-Xylene	10.73	106	254299	52.148	ug/l	100
70) Styrene	10.81	104	342455	51.746	ug/l	100
71) Bromoform	10.79	173	70355	55.709	ug/l	100
73) Isopropylbenzene	11.13	105	755831	52.207	ug/l	100
74) N-amyl acetate	11.38	43	160919	48.825	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.71	83	128026	53.487	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	85923	48.335	ug/l	100
77) Bromobenzene	11.51	156	156823	52.039	ug/l	100
78) n-propylbenzene	11.61	91	816393	48.350	ug/l	100
79) 2-Chlorotoluene	11.73	91	500174	50.967	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	596982	51.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	45040m	52.808	ug/l	
82) 4-Chlorotoluene	11.91	91	501641	49.897	ug/l	100
83) tert-Butylbenzene	12.14	119	653458	53.545	ug/l	100
84) 1,2,4-Trimethylbenzene	12.22	105	604854	50.883	ug/l	100
85) sec-Butylbenzene	12.32	105	853758	51.572	ug/l	100
86) p-Isopropyltoluene	12.47	119	724529	52.402	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	302782	50.488	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	301375	52.287	ug/l	100
89) n-Butylbenzene	12.85	91	695888	49.318	ug/l	100
90) Hexachloroethane	12.93	117	184345	54.511	ug/l	100
91) 1,2-Dichlorobenzene	12.96	146	283707	50.243	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24863	55.266	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	213960	52.718	ug/l	100
94) Hexachlorobutadiene	14.20	225	146602	55.276	ug/l	100
95) Naphthalene	14.47	128	416548	56.247	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	209116	55.759	ug/l	100

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

