

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060712.D
 Acq On : 13 Nov 2018 14:02
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:47 AM

Quant Time: Nov 14 03:05:25 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	211790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	381528	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	344332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	186617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	235272	97.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.78%	
35) Dibromofluoromethane	4.13	113	264101	92.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.18%	
50) Toluene-d8	7.57	98	716627	86.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.08%	
62) 4-Bromofluorobenzene	11.42	95	323778	83.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	378169	99.773	ug/l	99
3) Chloromethane	1.11	50	233213	99.212	ug/l	97
4) Vinyl Chloride	1.15	62	207346	98.605	ug/l	99
5) Bromomethane	1.33	94	134158	100.438	ug/l	96
6) Chloroethane	1.38	64	81003	98.457	ug/l	98
7) Trichlorofluoromethane	1.50	101	462116	99.316	ug/l	95
8) Diethyl Ether	1.63	74	61904	103.904	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	223897	102.176	ug/l	97
10) Methyl Iodide	1.91	142	360453m	106.943	ug/l	
11) Tert butyl alcohol	2.58	59	57772	525.480	ug/l	98
12) 1,1-Dichloroethene	1.79	96	178302	103.192	ug/l	98
13) Acrolein	2.01	56	48559	483.056	ug/l	86
14) Allyl chloride	2.11	41	310276	102.503	ug/l	98
15) Acrylonitrile	2.96	53	127839	545.693	ug/l	97
16) Acetone	2.25	43	273105	528.923	ug/l	93
17) Carbon Disulfide	1.84	76	539936m	103.460	ug/l	
18) Methyl Acetate	2.35	43	78223	84.919	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	428151	103.289	ug/l	98
20) Methylene Chloride	2.19	84	171654m	87.899	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	183248	101.509	ug/l	94
22) Diisopropyl ether	2.81	45	622471	106.514	ug/l	99
23) Vinyl Acetate	3.20	43	1509387	548.479	ug/l	97
24) 1,1-Dichloroethane	2.89	63	388805	109.892	ug/l	99
25) 2-Butanone	4.35	43	420393	494.990	ug/l	100
26) 2,2-Dichloropropane	3.61	77	255687	91.835	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	302099	98.373	ug/l	99
28) Bromochloromethane	3.73	49	169050	91.938	ug/l	98
29) Tetrahydrofuran	4.08	42	180305	514.686	ug/l	96
30) Chloroform	3.87	83	540489	95.212	ug/l	98
31) Cyclohexane	3.70	56	412796	96.130	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	427914	95.723	ug/l	99
36) 1,1-Dichloropropene	4.30	75	422504	95.486	ug/l	98
37) Ethyl Acetate	4.13	43	157740	95.888	ug/l	80
38) Carbon Tetrachloride	4.01	117	385654	89.823	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	476353	92.794	ug/l	97
40) Benzene	4.65	78	910717	92.332	ug/l	99
41) Methacrylonitrile	4.76	41	83652	83.941	ug/l	93
42) 1,2-Dichloroethane	4.96	62	335544	98.442	ug/l	99
43) Isopropyl Acetate	6.97	43	212007	97.201	ug/l	91
44) Trichloroethene	5.52	130	281594	90.487	ug/l	90
45) 1,2-Dichloropropane	6.25	63	230700	89.883	ug/l	98
46) Dibromomethane	6.10	93	166739	98.413	ug/l	99
47) Bromodichloromethane	6.40	83	413812	95.645	ug/l	96
48) Methyl methacrylate	6.73	41	135954	94.183	ug/l	99
49) 1,4-Dioxane	6.72	88	26147	1936.775	ug/l #	83
51) 4-Methyl-2-Pentanone	8.27	43	719632	456.185	ug/l	96
52) Toluene	7.64	92	583763	88.318	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	311561	89.909	ug/l	96
54) cis-1,3-Dichloropropene	7.33	75	456084	101.324	ug/l	90
55) 1,1,2-Trichloroethane	8.51	97	174283	92.285	ug/l	96
56) Ethyl methacrylate	8.64	69	190824	88.970	ug/l	98
57) 1,3-Dichloropropane	8.86	76	301581	92.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.64	63	89869	458.687	ug/l	100
59) 2-Hexanone	9.51	43	499393	450.465	ug/l	97
60) Dibromochloromethane	8.74	129	256036	95.127	ug/l	96
61) 1,2-Dibromoethane	9.00	107	189200	95.259	ug/l	99
64) Tetrachloroethene	8.16	164	241772	88.667	ug/l	98
65) Chlorobenzene	9.82	112	624706	89.907	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	288871	95.317	ug/l	99
67) Ethyl Benzene	9.92	91	1147847	87.640	ug/l	96
68) m/p-Xylenes	10.15	106	792530	169.322	ug/l	94
69) o-Xylene	10.73	106	493357	93.753	ug/l	90
70) Styrene	10.81	104	612374	85.746	ug/l	100
71) Bromoform	10.79	173	131885	96.773	ug/l	96
73) Isopropylbenzene	11.14	105	1326350	88.297	ug/l	96
74) N-amyl acetate	11.38	43	326830	95.575	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	233595	94.060	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	166767	90.416	ug/l	98
77) Bromobenzene	11.51	156	294751	94.268	ug/l	98
78) n-propylbenzene	11.61	91	1423912	81.278	ug/l	96
79) 2-Chlorotoluene	11.73	91	891838	87.587	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	1070593	89.772	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	86718m	97.993	ug/l	
82) 4-Chlorotoluene	11.91	91	907360	86.985	ug/l	95
83) tert-Butylbenzene	12.14	119	1066010	84.188	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	1083786	87.871	ug/l	97
85) sec-Butylbenzene	12.32	105	1449211	84.371	ug/l	96
86) p-Isopropyltoluene	12.47	119	1225554	85.429	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	540242	86.822	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	543566	90.892	ug/l	96
89) n-Butylbenzene	12.86	91	1188744	81.197	ug/l	92
90) Hexachloroethane	12.93	117	327661	93.382	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	514653	87.842	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	49001	104.977	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	367633	87.302	ug/l	98
94) Hexachlorobutadiene	14.20	225	251685	91.462	ug/l	97
95) Naphthalene	14.47	128	802683	104.464	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	371917	95.578	ug/l	99

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

