

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060610.D
 Acq On : 6 Nov 2018 12:45
 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

apatel
 11/7/2018 11:21:27 AM

Quant Time: Nov 06 14:19:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	264729	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.61	114	434362	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	396915	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	214588	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	132890	49.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	4.13	113	166978	49.76	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	7.58	98	494003	49.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.42	95	228017	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	144902	52.592	ug/l	94
3) Chloromethane	1.10	50	119590	51.617	ug/l	97
4) Vinyl Chloride	1.15	62	104185	48.800	ug/l	93
5) Bromomethane	1.31	94	59544	49.687	ug/l	94
6) Chloroethane	1.37	64	42054	54.985	ug/l	99
7) Trichlorofluoromethane	1.49	101	211646	52.966	ug/l	98
8) Diethyl Ether	1.64	74	31467	42.489	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	111494	48.828	ug/l	95
10) Methyl Iodide	1.89	142	178898	47.610	ug/l	93
11) Tert butyl alcohol	2.58	59	28594	202.851	ug/l #	83
12) 1,1-Dichloroethene	1.79	96	92912	48.312	ug/l	94
13) Acrolein	2.00	56	19657	220.025	ug/l	98
14) Allyl chloride	2.10	41	164574	52.408	ug/l	97
15) Acrylonitrile	2.95	53	73217	229.684	ug/l	94
16) Acetone	2.24	43	140406	222.770	ug/l	94
17) Carbon Disulfide	1.82	76	262505	48.457	ug/l	98
18) Methyl Acetate	2.35	43	50983	52.056	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	216761	48.215	ug/l	98
20) Methylene Chloride	2.19	84	89835m	47.836	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	99132	49.133	ug/l	97
22) Diisopropyl ether	2.81	45	328297	49.344	ug/l	98
23) Vinyl Acetate	3.20	43	816412	204.231	ug/l	97
24) 1,1-Dichloroethane	2.88	63	192049	49.876	ug/l	97
25) 2-Butanone	4.35	43	268483	223.027	ug/l	98
26) 2,2-Dichloropropane	3.61	77	143542	49.821	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	178926	46.454	ug/l	98
28) Bromochloromethane	3.73	49	116236	48.102	ug/l	97
29) Tetrahydrofuran	4.08	42	109365	233.802	ug/l	98
30) Chloroform	3.88	83	301658	49.518	ug/l	98
31) Cyclohexane	3.71	56	248931	46.848	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	234470	55.108	ug/l	99
36) 1,1-Dichloropropene	4.30	75	225808	47.214	ug/l	100
37) Ethyl Acetate	4.12	43	97981	42.678	ug/l #	78
38) Carbon Tetrachloride	4.01	117	220058m	53.847	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	287889	49.326	ug/l	98
40) Benzene	4.65	78	549052	47.295	ug/l	99
41) Methacrylonitrile	4.76	41	57879	44.517	ug/l	97
42) 1,2-Dichloroethane	4.96	62	163252	48.996	ug/l	97
43) Isopropyl Acetate	6.97	43	122984	42.349	ug/l #	98
44) Trichloroethene	5.52	130	164737	47.216	ug/l	97
45) 1,2-Dichloropropane	6.25	63	150373	50.646	ug/l	98
46) Dibromomethane	6.11	93	94162	49.990	ug/l	96
47) Bromodichloromethane	6.40	83	222247	48.918	ug/l	100
48) Methyl methacrylate	6.73	41	77451	42.435	ug/l	96
49) 1,4-Dioxane	6.72	88	15564	815.175	ug/l #	87
51) 4-Methyl-2-Pentanone	8.28	43	423119	216.665	ug/l	100
52) Toluene	7.65	92	354924	46.934	ug/l	100
53) t-1,3-Dichloropropene	8.30	75	179020	45.337	ug/l	99
54) cis-1,3-Dichloropropene	7.32	75	245334	49.174	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	105655	48.012	ug/l	97
56) Ethyl methacrylate	8.64	69	123209	43.517	ug/l	95
57) 1,3-Dichloropropane	8.87	76	183369	47.489	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.65	63	48111	267.080	ug/l	100
59) 2-Hexanone	9.51	43	297725	227.988	ug/l	99
60) Dibromochloromethane	8.73	129	151690	49.288	ug/l	98
61) 1,2-Dibromoethane	9.01	107	112008	48.401	ug/l	93
64) Tetrachloroethene	8.17	164	142105	45.683	ug/l	96
65) Chlorobenzene	9.82	112	380208	46.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	158404	46.186	ug/l	97
67) Ethyl Benzene	9.91	91	694492	47.149	ug/l	98
68) m/p-Xylenes	10.15	106	495668	89.334	ug/l	97
69) o-Xylene	10.73	106	280882	46.361	ug/l	99
70) Styrene	10.80	104	403762	46.000	ug/l	97
71) Bromoform	10.79	173	78924	44.556	ug/l #	95
73) Isopropylbenzene	11.14	105	804815	48.091	ug/l	97
74) N-amyl acetate	11.38	43	190407	44.502	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	146164	47.850	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	64923	43.247	ug/l	100
77) Bromobenzene	11.51	156	176624	48.233	ug/l	90
78) n-propylbenzene	11.61	91	954170	48.731	ug/l	95
79) 2-Chlorotoluene	11.74	91	540176	48.307	ug/l	96
80) 1,3,5-Trimethylbenzene	11.84	105	648063	46.980	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	52800m	44.753	ug/l	
82) 4-Chlorotoluene	11.92	91	535238	45.878	ug/l	94
83) tert-Butylbenzene	12.14	119	655621	46.523	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	635731	47.061	ug/l	97
85) sec-Butylbenzene	12.32	105	919626	47.438	ug/l	98
86) p-Isopropyltoluene	12.47	119	770214	48.247	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	328800	45.746	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	330059	48.415	ug/l	99
89) n-Butylbenzene	12.85	91	775632	50.068	ug/l	98
90) Hexachloroethane	12.93	117	188939	46.539	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	310314	46.149	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24561	46.280	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	216479	47.388	ug/l	96
94) Hexachlorobutadiene	14.21	225	140593	47.495	ug/l	97
95) Naphthalene	14.47	128	385620	42.175	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	199903	46.324	ug/l	96

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

