

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060435.D
 Acq On : 4 Oct 2018 1:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:07:22 PM

Quant Time: Oct 04 07:20:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	309896	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	523670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	443031	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	225825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	218058	44.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.94%	
35) Dibromofluoromethane	4.28	113	234525	47.67	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	7.70	98	586789	48.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.50	95	245183	44.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.99	85	279321	40.911	ug/l 93
3) Chloromethane	1.12	50	193220	45.916	ug/l 98
4) Vinyl Chloride	1.17	62	202092	46.166	ug/l 100
5) Bromomethane	1.36	94	153902	45.389	ug/l 100
6) Chloroethane	1.43	64	101192	46.322	ug/l 100
7) Trichlorofluoromethane	1.54	101	429661	42.304	ug/l 99
8) Diethyl Ether	1.69	74	64326	46.215	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212444	43.668	ug/l 96
10) Methyl Iodide	1.96	142	348875	47.024	ug/l 95
11) Tert butyl alcohol	2.67	59	65096	221.934	ug/l # 86
12) 1,1-Dichloroethene	1.85	96	179220	47.678	ug/l 88
13) Acrolein	2.09	56	44981	190.691	ug/l 98
14) Allyl chloride	2.18	41	278019	46.158	ug/l 91
15) Acrylonitrile	3.06	53	137905	274.389	ug/l # 89
16) Acetone	2.33	43	205340	200.930	ug/l 97
17) Carbon Disulfide	1.89	76	526489	46.254	ug/l 99
18) Methyl Acetate	2.44	43	90456	49.620	ug/l 92
19) Methyl tert-butyl Ether	2.53	73	423044	46.206	ug/l 96
20) Methylene Chloride	2.27	84	185578m	52.740	ug/l
21) trans-1,2-Dichloroethene	2.40	96	184051	49.025	ug/l 93
22) Diisopropyl ether	2.92	45	566275	51.796	ug/l 94
23) Vinyl Acetate	3.32	43	1071586	246.745	ug/l 97
24) 1,1-Dichloroethane	2.99	63	378009	51.129	ug/l 99
25) 2-Butanone	4.49	43	292620	233.051	ug/l 95
26) 2,2-Dichloropropane	3.75	77	183030	43.710	ug/l 95
27) cis-1,2-Dichloroethene	3.62	96	211120	50.296	ug/l 91
28) Bromochloromethane	3.87	49	137040	50.294	ug/l 95
29) Tetrahydrofuran	4.24	42	124138	262.687	ug/l 95
30) Chloroform	4.02	83	425559	46.648	ug/l 92
31) Cyclohexane	3.85	56	265229	49.960	ug/l 92
32) 1,1,1-Trichloroethane	4.26	97	345518	45.514	ug/l 96
36) 1,1-Dichloropropene	4.44	75	305162	47.265	ug/l 97
37) Ethyl Acetate	4.27	43	119719	48.422	ug/l 97
38) Carbon Tetrachloride	4.15	117	369351	46.997	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	330330	52.189	ug/l	91
40) Benzene	4.79	78	665446	51.918	ug/l	100
41) Methacrylonitrile	4.90	41	67350	51.376	ug/l	93
42) 1,2-Dichloroethane	5.10	62	267633	43.768	ug/l	98
43) Isopropyl Acetate	7.10	43	151603	50.739	ug/l	98
44) Trichloroethene	5.66	130	202576	49.258	ug/l	95
45) 1,2-Dichloropropane	6.39	63	181655	53.219	ug/l	95
46) Dibromomethane	6.24	93	122608	44.676	ug/l	88
47) Bromodichloromethane	6.53	83	310407	45.669	ug/l	96
48) Methyl methacrylate	6.86	41	99371	46.331	ug/l	93
49) 1,4-Dioxane	6.85	88	17441	943.120	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	523540	246.152	ug/l	92
52) Toluene	7.77	92	425393	48.863	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	241798	45.394	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	294916	47.373	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	128404	46.532	ug/l	93
56) Ethyl methacrylate	8.74	69	154704	49.337	ug/l	93
57) 1,3-Dichloropropane	8.98	76	221342	47.414	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	69801	217.928	ug/l	100
59) 2-Hexanone	9.62	43	360202	230.891	ug/l	97
60) Dibromochloromethane	8.85	129	190289	45.800	ug/l	95
61) 1,2-Dibromoethane	9.12	107	150590	49.873	ug/l	99
64) Tetrachloroethene	8.29	164	190016	53.954	ug/l	97
65) Chlorobenzene	9.93	112	477058	52.420	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	188511	47.440	ug/l	97
67) Ethyl Benzene	10.02	91	848573	49.039	ug/l	100
68) m/p-Xylenes	10.25	106	572602	96.260	ug/l	95
69) o-Xylene	10.81	106	323339	49.868	ug/l	100
70) Styrene	10.89	104	459224	49.792	ug/l	95
71) Bromoform	10.88	173	101329	47.896	ug/l	96
73) Isopropylbenzene	11.22	105	934988	52.584	ug/l	97
74) N-amyl acetate	11.45	43	233312	57.173	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	172216	53.125	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	124285	52.078	ug/l	95
77) Bromobenzene	11.58	156	206497	51.953	ug/l	93
78) n-propylbenzene	11.68	91	1105857	51.302	ug/l	98
79) 2-Chlorotoluene	11.81	91	636589	50.486	ug/l	90
80) 1,3,5-Trimethylbenzene	11.91	105	755779	50.029	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	52423m	49.553	ug/l	
82) 4-Chlorotoluene	11.99	91	647764	50.209	ug/l	92
83) tert-Butylbenzene	12.20	119	753145	50.546	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	745592	49.766	ug/l	100
85) sec-Butylbenzene	12.38	105	1055384	51.315	ug/l	100
86) p-Isopropyltoluene	12.53	119	888474	52.877	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	390544	52.216	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	372840	50.554	ug/l	97
89) n-Butylbenzene	12.91	91	874673	49.194	ug/l	99
90) Hexachloroethane	12.99	117	216592	49.874	ug/l	75
91) 1,2-Dichlorobenzene	13.01	146	363569	50.733	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	31886	50.738	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	273342	51.031	ug/l	97
94) Hexachlorobutadiene	14.25	225	183488	49.082	ug/l	95
95) Naphthalene	14.52	128	514873	53.762	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	257708	51.326	ug/l	99

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

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