

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060206.D
 Acq On : 7 Sep 2018 11:26
 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
 9/10/2018 12:23:16 PM

Quant Time: Sep 07 14:34:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	135913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	194110	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	199007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	131338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	127869	53.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	4.27	113	102091	53.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	7.70	98	257328	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	11.51	95	143353	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	109446	42.24	ug/l	93
3) Chloromethane	1.06	50	68320m	50.01	ug/l	
4) Vinyl Chloride	1.11	62	50706	48.16	ug/l	97
5) Bromomethane	1.30	94	40621	43.06	ug/l	96
6) Chloroethane	1.38	64	31019	46.00	ug/l	92
7) Trichlorofluoromethane	1.47	101	142629	48.57	ug/l	97
8) Diethyl Ether	1.69	74	21331	49.13	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	67782	47.21	ug/l	96
10) Methyl Iodide	1.92	142	58850	45.50	ug/l	89
11) Tert butyl alcohol	2.68	59	29611	262.53	ug/l	95
12) 1,1-Dichloroethene	1.82	96	44515	45.57	ug/l	95
13) Acrolein	2.07	56	15386m	316.63	ug/l	
14) Allyl chloride	2.17	41	70172	47.89	ug/l	94
15) Acrylonitrile	3.06	53	45924	254.41	ug/l	94
16) Acetone	2.32	43	160366	290.37	ug/l	98
17) Carbon Disulfide	1.83	76	139188	48.89	ug/l	97
18) Methyl Acetate	2.44	43	45457	56.66	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	168680	52.19	ug/l	98
20) Methylene Chloride	2.26	84	51503	43.17	ug/l	89
21) trans-1,2-Dichloroethene	2.40	96	48971	48.99	ug/l	87
22) Diisopropyl ether	2.90	45	185260	50.46	ug/l	98
23) Vinyl Acetate	3.32	43	415226	266.47	ug/l	100
24) 1,1-Dichloroethane	2.98	63	116306	48.70	ug/l	99
25) 2-Butanone	4.49	43	185848	278.49	ug/l	98
26) 2,2-Dichloropropane	3.74	77	161326	48.71	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	64852	49.71	ug/l	93
28) Bromochloromethane	3.88	49	41357	50.85	ug/l #	91
29) Tetrahydrofuran	4.23	42	66167	299.92	ug/l	99
30) Chloroform	4.02	83	166374	47.55	ug/l	97
31) Cyclohexane	3.84	56	78303	47.93	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	164491	47.19	ug/l	95
36) 1,1-Dichloropropene	4.44	75	109067	47.74	ug/l	99
37) Ethyl Acetate	4.26	43	64683	56.43	ug/l #	45
38) Carbon Tetrachloride	4.15	117	149554	47.61	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	91861	48.00	ug/l	98
40) Benzene	4.79	78	206199	50.66	ug/l	99
41) Methacrylonitrile	4.90	41	31353	52.76	ug/l	95
42) 1,2-Dichloroethane	5.10	62	144024	48.96	ug/l	99
43) Isopropyl Acetate	7.10	43	72044	54.21	ug/l	98
44) Trichloroethene	5.66	130	79319	48.11	ug/l	99
45) 1,2-Dichloropropane	6.39	63	58337	50.42	ug/l	88
46) Dibromomethane	6.24	93	52461	51.50	ug/l	94
47) Bromodichloromethane	6.54	83	133079	48.13	ug/l	100
48) Methyl methacrylate	6.86	41	56482	53.51	ug/l	94
49) 1,4-Dioxane	6.89	88	8050	518.98	ug/l #	71
51) 4-Methyl-2-Pentanone	8.39	43	329436	279.02	ug/l	97
52) Toluene	7.77	92	149133	47.31	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	122318	52.65	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	124288	51.53	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	60568	52.24	ug/l	96
56) Ethyl methacrylate	8.75	69	75085	56.65	ug/l	97
57) 1,3-Dichloropropane	8.99	76	107819	52.30	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	34893	244.79	ug/l	100
59) 2-Hexanone	9.62	43	264113	299.32	ug/l	98
60) Dibromochloromethane	8.86	129	96762	50.39	ug/l	93
61) 1,2-Dibromoethane	9.13	107	71740	51.59	ug/l	89
64) Tetrachloroethene	8.29	164	104902	51.59	ug/l	95
65) Chlorobenzene	9.93	112	206131	50.04	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	89042	48.77	ug/l	95
67) Ethyl Benzene	10.03	91	383070	49.85	ug/l	99
68) m/p-Xylenes	10.27	106	259592	100.68	ug/l	92
69) o-Xylene	10.83	106	136459	49.61	ug/l	92
70) Styrene	10.90	104	212069	50.87	ug/l	98
71) Bromoform	10.89	173	55254	52.42	ug/l #	94
73) Isopropylbenzene	11.22	105	448010	49.45	ug/l	99
74) N-amyl acetate	11.46	43	102759	56.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	76308	56.01	ug/l	90
76) 1,2,3-Trichloropropane	11.88	75	73501	50.91	ug/l	89
77) Bromobenzene	11.59	156	111200	46.87	ug/l	78
78) n-propylbenzene	11.68	91	522511	48.13	ug/l	94
79) 2-Chlorotoluene	11.81	91	308684	47.07	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	384225	48.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	13310m	40.01	ug/l	
82) 4-Chlorotoluene	11.98	91	339955	46.71	ug/l	99
83) tert-Butylbenzene	12.21	119	368271	50.53	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	401811	49.46	ug/l	97
85) sec-Butylbenzene	12.38	105	495180	49.26	ug/l	98
86) p-Isopropyltoluene	12.53	119	451090	50.53	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	211438	48.77	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	215688	50.27	ug/l	98
89) n-Butylbenzene	12.92	91	420084	48.66	ug/l	97
90) Hexachloroethane	13.00	117	84695	46.80	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	204569	49.70	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	19476	56.02	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	158523	49.83	ug/l	96
94) Hexachlorobutadiene	14.25	225	109945	48.49	ug/l	98
95) Naphthalene	14.52	128	235156	47.49	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	154276	51.67	ug/l	94

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

