

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060226.D
 Acq On : 10 Sep 2018 10:15
 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
 9/11/2018 10:31:35 AM

Quant Time: Sep 10 13:19:57 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	5.05	168	173996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	252091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	258538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	157380	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	132745	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
35) Dibromofluoromethane	4.29	113	118990	48.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	7.71	98	299526	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.51	95	160338	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	156139	47.07	ug/l	97
3) Chloromethane	1.07	50	89501	51.17	ug/l	96
4) Vinyl Chloride	1.12	62	80300	59.57	ug/l	100
5) Bromomethane	1.32	94	56404	46.71	ug/l	99
6) Chloroethane	1.39	64	44204	51.20	ug/l	92
7) Trichlorofluoromethane	1.49	101	209603	55.76	ug/l	92
8) Diethyl Ether	1.69	74	26868	48.34	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	96911	52.72	ug/l	96
10) Methyl Iodide	1.93	142	68327	41.26	ug/l #	94
11) Tert butyl alcohol	2.67	59	24793	161.96	ug/l #	89
12) 1,1-Dichloroethene	1.82	96	67904	54.30	ug/l	95
13) Acrolein	2.09	56	17111	272.49	ug/l #	68
14) Allyl chloride	2.19	41	111291	59.33	ug/l	94
15) Acrylonitrile	3.06	53	60411	261.41	ug/l	96
16) Acetone	2.33	43	178547	241.78	ug/l	98
17) Carbon Disulfide	1.84	76	204869	56.21	ug/l	99
18) Methyl Acetate	2.44	43	48304	47.03	ug/l #	92
19) Methyl tert-butyl Ether	2.53	73	182773	44.17	ug/l	97
20) Methylene Chloride	2.28	84	68981	45.67	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	70579	55.15	ug/l	93
22) Diisopropyl ether	2.92	45	250058	53.20	ug/l	95
23) Vinyl Acetate	3.32	43	368781	191.84	ug/l	100
24) 1,1-Dichloroethane	3.00	63	188857	61.77	ug/l	98
25) 2-Butanone	4.49	43	195220	228.50	ug/l	100
26) 2,2-Dichloropropane	3.75	77	197757	46.73	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	95633	57.26	ug/l	90
28) Bromochloromethane	3.89	49	45996	44.17	ug/l #	96
29) Tetrahydrofuran	4.24	42	60638	214.70	ug/l	97
30) Chloroform	4.03	83	234578	52.37	ug/l	97
31) Cyclohexane	3.85	56	114100	54.55	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	228178	51.14	ug/l	96
36) 1,1-Dichloropropene	4.45	75	155934	52.55	ug/l	98
37) Ethyl Acetate	4.28	43	61771	40.69	ug/l #	1
38) Carbon Tetrachloride	4.17	117	205973	50.49	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	129663	52.17	ug/l	92
40) Benzene	4.81	78	283777	53.68	ug/l	97
41) Methacrylonitrile	4.91	41	30923	40.07	ug/l	91
42) 1,2-Dichloroethane	5.11	62	177425	46.44	ug/l	99
43) Isopropyl Acetate	7.11	43	70079	40.61	ug/l #	98
44) Trichloroethene	5.68	130	107313	50.12	ug/l	95
45) 1,2-Dichloropropane	6.40	63	76619	50.99	ug/l #	86
46) Dibromomethane	6.25	93	66087	49.95	ug/l	93
47) Bromodichloromethane	6.54	83	174703	48.65	ug/l	99
48) Methyl methacrylate	6.87	41	56167	40.97	ug/l	94
49) 1,4-Dioxane	6.87	88	7440	369.34	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	307643	200.63	ug/l	98
52) Toluene	7.78	92	206423	50.42	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	145145	48.10	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	156810	50.06	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	69045	45.85	ug/l	97
56) Ethyl methacrylate	8.76	69	76981	44.72	ug/l	95
57) 1,3-Dichloropropane	9.00	76	124033	46.33	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	44132	238.40	ug/l	100
59) 2-Hexanone	9.63	43	239453	208.60	ug/l	94
60) Dibromochloromethane	8.86	129	124220	49.81	ug/l	89
61) 1,2-Dibromoethane	9.14	107	83447	46.20	ug/l	82
64) Tetrachloroethene	8.31	164	130222	49.09	ug/l	93
65) Chlorobenzene	9.94	112	270374	50.53	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	110510	46.59	ug/l	98
67) Ethyl Benzene	10.04	91	510054	51.09	ug/l	97
68) m/p-Xylenes	10.27	106	342048	102.11	ug/l	96
69) o-Xylene	10.83	106	188421	52.73	ug/l	92
70) Styrene	10.90	104	275663	50.90	ug/l	98
71) Bromoform	10.89	173	73066	53.36	ug/l #	97
73) Isopropylbenzene	11.23	105	574862	52.95	ug/l	100
74) N-amyl acetate	11.46	43	80206	38.34	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	80610	49.38	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	75665	43.74	ug/l	94
77) Bromobenzene	11.59	156	140401	49.39	ug/l	79
78) n-propylbenzene	11.69	91	685431	52.69	ug/l	95
79) 2-Chlorotoluene	11.81	91	400225	50.93	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	507375	52.95	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	23421m	57.56	ug/l	
82) 4-Chlorotoluene	11.98	91	441251	50.59	ug/l	98
83) tert-Butylbenzene	12.21	119	472916	54.16	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	502142	51.58	ug/l	95
85) sec-Butylbenzene	12.39	105	642967	53.37	ug/l	95
86) p-Isopropyltoluene	12.54	119	564788	52.80	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	262375	50.51	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	258779	50.33	ug/l	98
89) n-Butylbenzene	12.92	91	536978	51.90	ug/l	97
90) Hexachloroethane	12.99	117	128086	59.07	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	247104	50.10	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	21376	51.32	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	180502	47.35	ug/l	99
94) Hexachlorobutadiene	14.25	225	146787	54.03	ug/l	98
95) Naphthalene	14.52	128	173369	30.22	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	171619	47.97	ug/l	97

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

