

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060295.D
 Acq On : 20 Sep 2018 10:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/21/2018 11:04:51 AM

Quant Time: Sep 20 15:49:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	260664	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	428037	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	381987	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	202245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	169952	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	4.27	113	182735	47.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	7.69	98	497246	50.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.49	95	205781	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	198776	50.998	ug/l	99
3) Chloromethane	1.13	50	154580	43.517	ug/l	94
4) Vinyl Chloride	1.17	62	167730	46.333	ug/l	100
5) Bromomethane	1.34	94	112944	56.178	ug/l	89
6) Chloroethane	1.42	64	83243	48.282	ug/l	96
7) Trichlorofluoromethane	1.54	101	341147	50.582	ug/l	94
8) Diethyl Ether	1.70	74	48656	43.362	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.88	101	170404	47.509	ug/l	94
10) Methyl Iodide	1.96	142	266565	46.086	ug/l	98
11) Tert butyl alcohol	2.67	59	51628	264.532	ug/l	96
12) 1,1-Dichloroethene	1.84	96	138207	46.592	ug/l	96
13) Acrolein	2.08	56	19308	313.885	ug/l	87
14) Allyl chloride	2.18	41	245777	47.481	ug/l	97
15) Acrylonitrile	3.06	53	112902	227.753	ug/l	97
16) Acetone	2.33	43	295352	298.797	ug/l	98
17) Carbon Disulfide	1.88	76	391895	52.950	ug/l	97
18) Methyl Acetate	2.43	43	71371	43.342	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	333106	45.045	ug/l	100
20) Methylene Chloride	2.27	84	132110m	49.392	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	137735	44.957	ug/l	92
22) Diisopropyl ether	2.91	45	452061	46.287	ug/l	96
23) Vinyl Acetate	3.31	43	823731	214.748	ug/l	100
24) 1,1-Dichloroethane	2.99	63	297579	46.982	ug/l	99
25) 2-Butanone	4.48	43	339556	255.214	ug/l	97
26) 2,2-Dichloropropane	3.75	77	174918	48.400	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	181824	45.175	ug/l	88
28) Bromochloromethane	3.86	49	109898	44.565	ug/l	88
29) Tetrahydrofuran	4.23	42	107006	219.624	ug/l	99
30) Chloroform	4.01	83	347130	45.421	ug/l	95
31) Cyclohexane	3.84	56	229765	42.946	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	293109	48.605	ug/l	98
36) 1,1-Dichloropropene	4.44	75	251111	47.032	ug/l	98
37) Ethyl Acetate	4.27	43	102994	45.590	ug/l	96
38) Carbon Tetrachloride	4.15	117	283606m	49.453	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	256876	44.391	ug/l	93
40) Benzene	4.78	78	562505	46.463	ug/l	99
41) Methacrylonitrile	4.90	41	56615	46.184	ug/l	95
42) 1,2-Dichloroethane	5.10	62	214888	48.223	ug/l	100
43) Isopropyl Acetate	7.09	43	118031	43.398	ug/l #	96
44) Trichloroethene	5.65	130	164670	45.704	ug/l	97
45) 1,2-Dichloropropane	6.38	63	153511	48.995	ug/l	93
46) Dibromomethane	6.23	93	109004	48.670	ug/l	90
47) Bromodichloromethane	6.53	83	267394	49.681	ug/l	95
48) Methyl methacrylate	6.85	41	83814	43.901	ug/l	93
49) 1,4-Dioxane	6.85	88	16229	951.497	ug/l	86
51) 4-Methyl-2-Pentanone	8.38	43	522916	249.461	ug/l	98
52) Toluene	7.76	92	359079	46.884	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	206510	47.568	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	258149	47.201	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	114276	49.161	ug/l	98
56) Ethyl methacrylate	8.74	69	125817	44.816	ug/l	94
57) 1,3-Dichloropropane	8.98	76	187420	48.694	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	54863	221.058	ug/l	100
59) 2-Hexanone	9.61	43	348613	233.577	ug/l	100
60) Dibromochloromethane	8.84	129	169605	48.953	ug/l	100
61) 1,2-Dibromoethane	9.12	107	120848	46.686	ug/l	98
64) Tetrachloroethene	8.28	164	154499	44.617	ug/l	96
65) Chlorobenzene	9.92	112	399117	46.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	171122	47.629	ug/l	93
67) Ethyl Benzene	10.01	91	721125	45.050	ug/l	99
68) m/p-Xylenes	10.25	106	503668	91.074	ug/l	90
69) o-Xylene	10.81	106	289536	46.677	ug/l	97
70) Styrene	10.88	104	409221	46.779	ug/l	97
71) Bromoform	10.87	173	93608	47.440	ug/l #	97
73) Isopropylbenzene	11.21	105	855237	47.105	ug/l	99
74) N-amyl acetate	11.44	43	147285	38.042	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	143535	44.608	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	107448	46.638	ug/l	87
77) Bromobenzene	11.58	156	174655	44.636	ug/l	96
78) n-propylbenzene	11.67	91	1000222	57.083	ug/l	99
79) 2-Chlorotoluene	11.80	91	563164	45.983	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	683260	46.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	56001m	45.995	ug/l	
82) 4-Chlorotoluene	11.98	91	578904	47.028	ug/l	99
83) tert-Butylbenzene	12.20	119	685623	46.278	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	659308	44.426	ug/l	99
85) sec-Butylbenzene	12.37	105	959924	56.778	ug/l	98
86) p-Isopropyltoluene	12.53	119	764467	56.491	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	334876	45.800	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	344841	47.716	ug/l	99
89) n-Butylbenzene	12.90	91	817092	53.661	ug/l	98
90) Hexachloroethane	12.98	117	196599	47.422	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	330583	47.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26654	44.120	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	237670	46.881	ug/l	99
94) Hexachlorobutadiene	14.24	225	162470	47.407	ug/l	97
95) Naphthalene	14.51	128	362913	40.830	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	215913	46.091	ug/l	97

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

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