

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060391.D
 Acq On : 1 Oct 2018 19:09
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:28 PM

Quant Time: Oct 02 00:33:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	233559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	411101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	355463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	204327	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	284890	86.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	173.90%	
35) Dibromofluoromethane	4.27	113	280449	75.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	150.12%	
50) Toluene-d8	7.68	98	681781	71.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	142.16%	
62) 4-Bromofluorobenzene	11.49	95	305830	73.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	146.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	406946	90.969	ug/l	100
3) Chloromethane	1.12	50	246037	75.712	ug/l	99
4) Vinyl Chloride	1.17	62	247824	74.473	ug/l	91
5) Bromomethane	1.35	94	195778	84.828	ug/l	99
6) Chloroethane	1.43	64	134052	84.075	ug/l	97
7) Trichlorofluoromethane	1.53	101	584506	90.460	ug/l	98
8) Diethyl Ether	1.69	74	76633	74.966	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	267875	80.169	ug/l	93
10) Methyl Iodide	1.97	142	431791m	80.929	ug/l	
11) Tert butyl alcohol	2.67	59	94669	451.555	ug/l #	88
12) 1,1-Dichloroethene	1.85	96	218269	80.591	ug/l	98
13) Acrolein	2.08	56	66236	551.971	ug/l	91
14) Allyl chloride	2.18	41	369826	79.006	ug/l	94
15) Acrylonitrile	3.06	53	152090	346.206	ug/l #	92
16) Acetone	2.33	43	311513	354.318	ug/l	98
17) Carbon Disulfide	1.89	76	657753	78.975	ug/l	99
18) Methyl Acetate	2.43	43	113231	75.141	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	559318	82.262	ug/l	96
20) Methylene Chloride	2.32	84	204055m	64.360	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	213364	75.881	ug/l	94
22) Diisopropyl ether	2.91	45	631815	72.143	ug/l	95
23) Vinyl Acetate	3.31	43	1292986	374.057	ug/l #	95
24) 1,1-Dichloroethane	2.98	63	408791	70.769	ug/l	99
25) 2-Butanone	4.48	43	348713	304.858	ug/l	99
26) 2,2-Dichloropropane	3.74	77	237631	72.931	ug/l	95
27) cis-1,2-Dichloroethene	3.61	96	231214	64.592	ug/l	95
28) Bromochloromethane	3.86	49	162064	72.079	ug/l	98
29) Tetrahydrofuran	4.22	42	149670	348.116	ug/l	99
30) Chloroform	4.01	83	532454	76.835	ug/l	94
31) Cyclohexane	3.83	56	301758	63.290	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	432230	77.842	ug/l	98
36) 1,1-Dichloropropene	4.43	75	357130	69.077	ug/l	97
37) Ethyl Acetate	4.26	43	147925	69.245	ug/l	92
38) Carbon Tetrachloride	4.14	117	368278m	63.280	ug/l	

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39) Methylcyclohexane	5.59	83	351566	64.714	ug/l	91
40) Benzene	4.78	78	742099	65.262	ug/l	99
41) Methacrylonitrile	4.89	41	78204	68.243	ug/l #	92
42) 1,2-Dichloroethane	5.09	62	354316	80.484	ug/l	99
43) Isopropyl Acetate	7.09	43	180747	70.209	ug/l #	100
44) Trichloroethene	5.65	130	224781	65.987	ug/l	99
45) 1,2-Dichloropropane	6.38	63	186928	63.100	ug/l	94
46) Dibromomethane	6.23	93	151232	69.884	ug/l	90
47) Bromodichloromethane	6.52	83	382981	73.288	ug/l	95
48) Methyl methacrylate	6.85	41	121681	66.454	ug/l	96
49) 1,4-Dioxane	6.84	88	22964	1417.125	ug/l #	77
51) 4-Methyl-2-Pentanone	8.38	43	615115	318.287	ug/l	95
52) Toluene	7.76	92	456322	62.886	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	290751	69.794	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	354787	67.873	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	151668	68.888	ug/l	93
56) Ethyl methacrylate	8.73	69	187356	70.383	ug/l	96
57) 1,3-Dichloropropane	8.98	76	262822	71.786	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	82429	341.638	ug/l	100
59) 2-Hexanone	9.60	43	429186	314.075	ug/l	94
60) Dibromochloromethane	8.84	129	242282	73.019	ug/l	98
61) 1,2-Dibromoethane	9.11	107	176984	71.388	ug/l	97
64) Tetrachloroethene	8.28	164	204539	64.457	ug/l	98
65) Chlorobenzene	9.92	112	532746	66.875	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.04	131	232626	69.345	ug/l	98
67) Ethyl Benzene	10.01	91	969509	65.525	ug/l	100
68) m/p-Xylenes	10.25	106	671985	131.575	ug/l	97
69) o-Xylene	10.81	106	386688	67.653	ug/l	99
70) Styrene	10.88	104	524620	65.258	ug/l	97
71) Bromoform	10.87	173	132810	72.595	ug/l #	93
73) Isopropylbenzene	11.21	105	1126982	62.476	ug/l	99
74) N-amyl acetate	11.44	43	274131	70.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	219829	68.653	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	158795	68.546	ug/l	98
77) Bromobenzene	11.58	156	242023	62.103	ug/l	90
78) n-propylbenzene	11.67	91	1281228	59.811	ug/l	98
79) 2-Chlorotoluene	11.80	91	768801	62.234	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	936391	64.182	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.94	75	72535m	60.006	ug/l	
82) 4-Chlorotoluene	11.98	91	786754	63.665	ug/l	98
83) tert-Butylbenzene	12.20	119	918740	61.941	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	934819	62.755	ug/l	99
85) sec-Butylbenzene	12.37	105	1270143	62.187	ug/l	98
86) p-Isopropyltoluene	12.53	119	1051312	64.676	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	461950	63.132	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	470018	65.259	ug/l	96
89) n-Butylbenzene	12.90	91	1061981	61.343	ug/l	98
90) Hexachloroethane	12.98	117	276352	66.198	ug/l	75
91) 1,2-Dichlorobenzene	13.00	146	448420	64.020	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	46511	76.715	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	346700	67.802	ug/l	95
94) Hexachlorobutadiene	14.24	225	240977	69.782	ug/l	98
95) Naphthalene	14.51	128	674817	74.725	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	343805	72.916	ug/l	98

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

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