

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060490.D
 Acq On : 9 Oct 2018 14:46
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:33:39 PM

Quant Time: Oct 10 01:58:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	291254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	463243	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	398195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231159	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	22131	4.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.76%	
35) Dibromofluoromethane	4.27	113	21235	4.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.80%	
50) Toluene-d8	7.69	98	53853	5.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.20%	
62) 4-Bromofluorobenzene	11.49	95	23879	4.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	29318	4.408	ug/l	95
3) Chloromethane	1.13	50	18269	4.707	ug/l	93
4) Vinyl Chloride	1.17	62	20304	4.999	ug/l	93
5) Bromomethane	1.36	94	15497	4.934	ug/l	96
6) Chloroethane	1.42	64	10728	5.308	ug/l	96
7) Trichlorofluoromethane	1.54	101	45257	4.830	ug/l	88
8) Diethyl Ether	1.69	74	6868	5.234	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.88	101	23049	5.089	ug/l	95
10) Methyl Iodide	1.95	142	36086	5.180	ug/l	98
11) Tert butyl alcohol	2.66	59	5232	19.420	ug/l #	73
12) 1,1-Dichloroethene	1.84	96	20548	5.767	ug/l	94
13) Acrolein	2.08	56	5316m	26.461	ug/l	
14) Allyl chloride	2.18	41	26680	4.794	ug/l	95
15) Acrylonitrile	3.05	53	11585	24.488	ug/l	97
16) Acetone	2.32	43	30796	28.491	ug/l	99
17) Carbon Disulfide	1.89	76	56248m	5.336	ug/l	
18) Methyl Acetate	2.44	43	11838	6.204	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	38626	4.508	ug/l	96
20) Methylene Chloride	2.27	84	19790m	4.988	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	16269	4.595	ug/l #	71
22) Diisopropyl ether	2.91	45	51029	4.857	ug/l #	97
23) Vinyl Acetate	3.31	43	94652	23.319	ug/l #	94
24) 1,1-Dichloroethane	2.98	63	35891	5.075	ug/l #	96
25) 2-Butanone	4.49	43	27681	23.689	ug/l	92
26) 2,2-Dichloropropane	3.73	77	19556	4.986	ug/l	93
27) cis-1,2-Dichloroethene	3.61	96	19654	4.954	ug/l	93
28) Bromochloromethane	3.86	49	14071	5.617	ug/l	91
29) Tetrahydrofuran	4.23	42	12045	25.503	ug/l	94
30) Chloroform	4.01	83	43237	5.072	ug/l	97
31) Cyclohexane	3.83	56	25416	5.179	ug/l #	78
32) 1,1,1-Trichloroethane	4.25	97	33591	4.794	ug/l	94
36) 1,1-Dichloropropene	4.43	75	29940	5.287	ug/l	95
37) Ethyl Acetate	4.26	43	10839	5.009	ug/l #	95
38) Carbon Tetrachloride	4.15	117	25572m	3.822	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	28232	5.020	ug/l	90
40) Benzene	4.78	78	60708	5.332	ug/l #	89
41) Methacrylonitrile	4.90	41	5962	5.136	ug/l #	83
42) 1,2-Dichloroethane	5.09	62	25006	4.636	ug/l	95
43) Isopropyl Acetate	7.09	43	13816	5.262	ug/l #	91
44) Trichloroethene	5.64	130	19049	5.204	ug/l	93
45) 1,2-Dichloropropane	6.38	63	13800	4.617	ug/l	96
46) Dibromomethane	6.22	93	11036	4.583	ug/l	92
47) Bromodichloromethane	6.51	83	26659	4.443	ug/l #	84
48) Methyl methacrylate	6.85	41	7770	4.140	ug/l	90
49) 1,4-Dioxane	6.85	88	829m	51.092	ug/l	
51) 4-Methyl-2-Pentanone	8.38	43	45955	24.659	ug/l	92
52) Toluene	7.76	92	38659	5.052	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	22880	4.871	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	25080	4.612	ug/l #	81
55) 1,1,2-Trichloroethane	8.61	97	10669	4.402	ug/l	91
56) Ethyl methacrylate	8.74	69	13527	4.930	ug/l	90
57) 1,3-Dichloropropane	8.98	76	19501	4.769	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	7277	25.788	ug/l	100
59) 2-Hexanone	9.61	43	35787	26.239	ug/l	80
60) Dibromochloromethane	8.84	129	15137	4.161	ug/l	94
61) 1,2-Dibromoethane	9.12	107	12142	4.579	ug/l	93
64) Tetrachloroethene	8.28	164	17530	5.483	ug/l	95
65) Chlorobenzene	9.91	112	41511	5.088	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.04	131	19194	5.374	ug/l	84
67) Ethyl Benzene	10.01	91	76621	4.927	ug/l	95
68) m/p-Xylenes	10.24	106	58609	11.018	ug/l	97
69) o-Xylene	10.80	106	27702	4.773	ug/l	97
70) Styrene	10.88	104	43319	5.258	ug/l	100
71) Bromoform	10.86	173	8080	4.263	ug/l #	86
73) Isopropylbenzene	11.21	105	93234	5.083	ug/l	100
74) N-amyl acetate	11.44	43	21057	5.058	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	14637	4.454	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	11581	4.742	ug/l	91
77) Bromobenzene	11.57	156	20719	5.062	ug/l	89
78) n-propylbenzene	11.67	91	120336	5.464	ug/l	97
79) 2-Chlorotoluene	11.80	91	65425	5.066	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	76804	4.962	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	5345m	5.005	ug/l	
82) 4-Chlorotoluene	11.97	91	67430	5.068	ug/l	93
83) tert-Butylbenzene	12.20	119	78477	5.139	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	81341	5.275	ug/l	96
85) sec-Butylbenzene	12.37	105	103218	4.886	ug/l	96
86) p-Isopropyltoluene	12.53	119	89892	5.208	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	42335	5.500	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	36939	4.879	ug/l	97
89) n-Butylbenzene	12.90	91	89105	4.897	ug/l	97
90) Hexachloroethane	12.98	117	19058	4.325	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	39527	5.355	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2949	4.503	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	29243	5.297	ug/l	94
94) Hexachlorobutadiene	14.24	225	17975	4.630	ug/l	86
95) Naphthalene	14.51	128	45760	4.642	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	24393	4.690	ug/l	98

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

