

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060495.D
 Acq On : 9 Oct 2018 17:10
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:33:59 PM

Quant Time: Oct 10 02:10:21 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	5.01	168	262166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	439902	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	389371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	210019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	395761	96.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.82%	
35) Dibromofluoromethane	4.26	113	384387	93.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.92%	
50) Toluene-d8	7.68	98	973024	96.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.92%	
62) 4-Bromofluorobenzene	11.49	95	418539	91.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	411911	68.796	ug/l	98
3) Chloromethane	1.14	50	269481	77.137	ug/l	97
4) Vinyl Chloride	1.19	62	283838	77.633	ug/l	99
5) Bromomethane	1.36	94	227410	80.439	ug/l	89
6) Chloroethane	1.42	64	157664	86.657	ug/l	97
7) Trichlorofluoromethane	1.54	101	653326	77.460	ug/l	87
8) Diethyl Ether	1.69	74	97723	82.742	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.89	101	321916	78.956	ug/l	96
10) Methyl Iodide	1.96	142	530800	84.654	ug/l	96
11) Tert butyl alcohol	2.67	59	100447	414.209	ug/l	100
12) 1,1-Dichloroethene	1.85	96	269644	84.072	ug/l	88
13) Acrolein	2.07	56	47293	261.521	ug/l	96
14) Allyl chloride	2.17	41	464688	92.758	ug/l	92
15) Acrylonitrile	3.05	53	203148	477.042	ug/l	96
16) Acetone	2.32	43	328929	338.079	ug/l	98
17) Carbon Disulfide	1.89	76	727477	76.668	ug/l	95
18) Methyl Acetate	2.44	43	134881m	78.531	ug/l	
19) Methyl tert-butyl Ether	2.53	73	664575	86.170	ug/l	98
20) Methylene Chloride	2.26	84	250026m	70.017	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	280200	87.929	ug/l	98
22) Diisopropyl ether	2.90	45	897411	94.902	ug/l	99
23) Vinyl Acetate	3.30	43	1563792	428.006	ug/l	98
24) 1,1-Dichloroethane	2.98	63	591862	92.980	ug/l	99
25) 2-Butanone	4.48	43	415494	395.032	ug/l	98
26) 2,2-Dichloropropane	3.73	77	291658	82.610	ug/l	98
27) cis-1,2-Dichloroethene	3.60	96	304337	85.216	ug/l	97
28) Bromochloromethane	3.85	49	214824	95.262	ug/l #	71
29) Tetrahydrofuran	4.22	42	174409	410.254	ug/l	98
30) Chloroform	4.00	83	710109	92.551	ug/l	97
31) Cyclohexane	3.84	56	370254	83.818	ug/l	97
32) 1,1,1-Trichloroethane	4.24	97	524115	83.098	ug/l	100
36) 1,1-Dichloropropene	4.43	75	466789	86.800	ug/l	96
37) Ethyl Acetate	4.26	43	163263	79.457	ug/l #	77
38) Carbon Tetrachloride	4.13	117	450726m	70.946	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	444277	83.193	ug/l	98
40) Benzene	4.77	78	958798	88.680	ug/l	98
41) Methacrylonitrile	4.89	41	96601	87.641	ug/l	95
42) 1,2-Dichloroethane	5.09	62	458975	89.616	ug/l	99
43) Isopropyl Acetate	7.08	43	219335	87.972	ug/l #	98
44) Trichloroethene	5.64	130	292434	84.126	ug/l	93
45) 1,2-Dichloropropane	6.37	63	249024	87.729	ug/l	91
46) Dibromomethane	6.22	93	199637	87.300	ug/l	99
47) Bromodichloromethane	6.52	83	501606	88.041	ug/l	98
48) Methyl methacrylate	6.84	41	150593	84.491	ug/l	98
49) 1,4-Dioxane	6.83	88	28103	1823.897	ug/l #	81
51) 4-Methyl-2-Pentanone	8.38	43	733444	414.447	ug/l	99
52) Toluene	7.75	92	586576	80.726	ug/l	97
53) t-1,3-Dichloropropene	8.40	75	385877	86.504	ug/l	94
54) cis-1,3-Dichloropropene	7.42	75	452343	87.601	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	196785	85.494	ug/l	96
56) Ethyl methacrylate	8.74	69	221254	84.909	ug/l	97
57) 1,3-Dichloropropane	8.97	76	332180	85.547	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.75	63	105345	393.122	ug/l	100
59) 2-Hexanone	9.60	43	525804	405.974	ug/l	99
60) Dibromochloromethane	8.83	129	324828	94.027	ug/l	98
61) 1,2-Dibromoethane	9.11	107	230376	91.485	ug/l	99
64) Tetrachloroethene	8.27	164	280406	89.693	ug/l	92
65) Chlorobenzene	9.92	112	707738	88.705	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	317487	90.906	ug/l	98
67) Ethyl Benzene	10.02	91	1321323	86.898	ug/l	100
68) m/p-Xylenes	10.24	106	886123	170.360	ug/l	91
69) o-Xylene	10.81	106	498413	87.829	ug/l	90
70) Styrene	10.88	104	684558	84.975	ug/l	97
71) Bromoform	10.87	173	174203	93.985	ug/l #	97
73) Isopropylbenzene	11.21	105	1405064	84.320	ug/l	98
74) N-amyl acetate	11.45	43	328774	86.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	254635	85.279	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	187414	84.457	ug/l	89
77) Bromobenzene	11.57	156	324824	87.355	ug/l	96
78) n-propylbenzene	11.67	91	1597078	79.811	ug/l	96
79) 2-Chlorotoluene	11.79	91	989831	84.364	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1191621	84.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	81755m	84.265	ug/l	
82) 4-Chlorotoluene	11.97	91	1023173	84.640	ug/l	98
83) tert-Butylbenzene	12.20	119	1140187	82.186	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	1195631	85.347	ug/l	94
85) sec-Butylbenzene	12.37	105	1613419	84.066	ug/l	96
86) p-Isopropyltoluene	12.52	119	1296859	82.694	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	571038	81.658	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	604831	87.923	ug/l	95
89) n-Butylbenzene	12.91	91	1349051	81.597	ug/l	95
90) Hexachloroethane	12.97	117	340108	84.945	ug/l	84
91) 1,2-Dichlorobenzene	13.00	146	547085	81.578	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	56018	94.140	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	430123	85.748	ug/l	99
94) Hexachlorobutadiene	14.25	225	310677	88.073	ug/l	97
95) Naphthalene	14.51	128	843702	94.197	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	435760	92.220	ug/l	95

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

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