

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060536.D
 Acq On : 29 Oct 2018 18:50
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:07:30 PM

Quant Time: Oct 30 04:58:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	316136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	541912	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	491577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	270198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	486849	80.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.84%	
35) Dibromofluoromethane	4.31	113	472965	75.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.78%	
50) Toluene-d8	7.72	98	1192860	91.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.56%	
62) 4-Bromofluorobenzene	11.52	95	562974	79.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	505094	61.977	ug/l	98
3) Chloromethane	1.14	50	309112	78.751	ug/l	93
4) Vinyl Chloride	1.18	62	332686	74.859	ug/l	99
5) Bromomethane	1.37	94	256224	58.812	ug/l	100
6) Chloroethane	1.43	64	169456	62.986	ug/l	97
7) Trichlorofluoromethane	1.55	101	804884	58.765	ug/l	99
8) Diethyl Ether	1.70	74	104191	78.272	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	374986	63.407	ug/l	95
10) Methyl Iodide	1.97	142	632708	74.678	ug/l	92
11) Tert butyl alcohol	2.69	59	100688	317.196	ug/l	98
12) 1,1-Dichloroethene	1.85	96	302357	70.324	ug/l	96
13) Acrolein	2.09	56	80869	307.724	ug/l	99
14) Allyl chloride	2.20	41	517091	74.943	ug/l	91
15) Acrylonitrile	3.08	53	221044	436.572	ug/l	95
16) Acetone	2.35	43	420620	296.670	ug/l	99
17) Carbon Disulfide	1.89	76	888670	73.892	ug/l #	91
18) Methyl Acetate	2.45	43	144374	72.434	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	747263	69.875	ug/l	100
20) Methylene Chloride	2.29	84	297652	68.587	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	322458	77.252	ug/l	95
22) Diisopropyl ether	2.94	45	949902	77.118	ug/l	98
23) Vinyl Acetate	3.34	43	1911861	474.265	ug/l	99
24) 1,1-Dichloroethane	3.01	63	649842	70.184	ug/l	98
25) 2-Butanone	4.52	43	543546	477.754	ug/l	99
26) 2,2-Dichloropropane	3.77	77	426159	69.190	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	426073	102.709	ug/l	98
28) Bromochloromethane	3.90	49	249494	86.776	ug/l	89
29) Tetrahydrofuran	4.26	42	212653	477.367	ug/l	96
30) Chloroform	4.05	83	873536	79.784	ug/l	100
31) Cyclohexane	3.88	56	507817	103.092	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	766434	77.081	ug/l	99
36) 1,1-Dichloropropene	4.47	75	603087	76.719	ug/l	97
37) Ethyl Acetate	4.30	43	210982	81.365	ug/l	96
38) Carbon Tetrachloride	4.18	117	726750m	63.506	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	610180	92.210	ug/l	97
40) Benzene	4.82	78	1268109	94.855	ug/l	96
41) Methacrylonitrile	4.93	41	116109	86.986	ug/l	94
42) 1,2-Dichloroethane	5.13	62	596228	73.089	ug/l	95
43) Isopropyl Acetate	7.12	43	287267	102.747	ug/l	94
44) Trichloroethene	5.69	130	387986	84.672	ug/l	95
45) 1,2-Dichloropropane	6.42	63	327659	97.807	ug/l	95
46) Dibromomethane	6.27	93	262930	85.404	ug/l	92
47) Bromodichloromethane	6.55	83	653584	76.859	ug/l	100
48) Methyl methacrylate	6.89	41	190271	91.909	ug/l	95
49) 1,4-Dioxane	6.88	88	35687	1957.153	ug/l #	64
51) 4-Methyl-2-Pentanone	8.42	43	897414	421.678	ug/l	98
52) Toluene	7.80	92	873689	99.254	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	514720	80.915	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	624690	93.795	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	250511	91.582	ug/l	98
56) Ethyl methacrylate	8.77	69	302536	101.230	ug/l	97
57) 1,3-Dichloropropane	9.01	76	429604	88.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	144039	373.465	ug/l	100
59) 2-Hexanone	9.64	43	641917	404.966	ug/l	91
60) Dibromochloromethane	8.87	129	425617	83.779	ug/l	93
61) 1,2-Dibromoethane	9.15	107	299575	92.624	ug/l	95
64) Tetrachloroethene	8.32	164	363634	85.879	ug/l	97
65) Chlorobenzene	9.96	112	936235	89.760	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	403806	77.513	ug/l	96
67) Ethyl Benzene	10.05	91	1674175	79.793	ug/l	94
68) m/p-Xylenes	10.28	106	1146853	172.651	ug/l	89
69) o-Xylene	10.84	106	651936	86.620	ug/l	96
70) Styrene	10.91	104	939113	89.233	ug/l	99
71) Bromoform	10.90	173	219170	78.103	ug/l #	96
73) Isopropylbenzene	11.24	105	1837849	85.654	ug/l	97
74) N-amyl acetate	11.47	43	427065	109.623	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	349000	109.624	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	255808	94.565	ug/l	92
77) Bromobenzene	11.60	156	432968	95.927	ug/l	95
78) n-propylbenzene	11.70	91	2161868	86.403	ug/l	93
79) 2-Chlorotoluene	11.82	91	1302521	85.922	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	1561437	83.140	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	130604m	114.954	ug/l	
82) 4-Chlorotoluene	12.00	91	1405059	87.547	ug/l	98
83) tert-Butylbenzene	12.22	119	1494241	79.831	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1614289	86.827	ug/l	96
85) sec-Butylbenzene	12.40	105	2092040	82.373	ug/l	94
86) p-Isopropyltoluene	12.55	119	1724152	80.274	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	788679	86.331	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	789652	89.775	ug/l	100
89) n-Butylbenzene	12.92	91	1784839	78.006	ug/l	95
90) Hexachloroethane	13.00	117	485641	86.429	ug/l	88
91) 1,2-Dichlorobenzene	13.03	146	791942	90.435	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	77897	100.727	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	572196	81.639	ug/l	97
94) Hexachlorobutadiene	14.26	225	404015	78.223	ug/l	96
95) Naphthalene	14.53	128	1149905	102.046	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	557027	86.276	ug/l	96

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

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