

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059866.D
 Acq On : 4 Aug 2018 5:12
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:05 AM

Quant Time: Aug 04 06:30:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	203440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	286836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	284491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	184614	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	248886	66.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.96%	
35) Dibromofluoromethane	4.30	113	195601	65.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.38%	
50) Toluene-d8	7.72	98	437708	63.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.24%	
62) 4-Bromofluorobenzene	11.51	95	250047	65.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	237340	79.87	ug/l	94
3) Chloromethane	1.09	50	111814	77.17	ug/l	98
4) Vinyl Chloride	1.16	62	119780	80.35	ug/l	95
5) Bromomethane	1.34	94	98517	79.83	ug/l	100
6) Chloroethane	1.43	64	73365	78.26	ug/l	99
7) Trichlorofluoromethane	1.54	101	326048m	82.13	ug/l	
8) Diethyl Ether	1.70	74	46874	70.76	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	156390	75.29	ug/l	94
10) Methyl Iodide	1.96	142	258282	78.29	ug/l	97
11) Tert butyl alcohol	2.69	59	48182	296.36	ug/l	98
12) 1,1-Dichloroethene	1.86	96	125632	76.07	ug/l	84
13) Acrolein	2.09	56	27023	382.83	ug/l	99
14) Allyl chloride	2.19	41	205028	77.44	ug/l	94
15) Acrylonitrile	3.08	53	95523	354.87	ug/l #	92
16) Acetone	2.33	43	217573	326.30	ug/l	97
17) Carbon Disulfide	1.89	76	336582	81.87	ug/l	99
18) Methyl Acetate	2.45	43	86742	69.66	ug/l #	84
19) Methyl tert-butyl Ether	2.54	73	343724	70.14	ug/l	96
20) Methylene Chloride	2.27	84	117493m	61.54	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	115086	69.57	ug/l	99
22) Diisopropyl ether	2.93	45	404853	73.72	ug/l	95
23) Vinyl Acetate	3.33	43	930253	333.53	ug/l	99
24) 1,1-Dichloroethane	3.00	63	280748	72.92	ug/l	100
25) 2-Butanone	4.51	43	257114	357.97	ug/l	95
26) 2,2-Dichloropropane	3.76	77	161877	61.07	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	139100	68.57	ug/l	89
28) Bromochloromethane	3.89	49	104827	70.16	ug/l	88
29) Tetrahydrofuran	4.25	42	88002	310.23	ug/l	98
30) Chloroform	4.04	83	388573	72.36	ug/l	99
31) Cyclohexane	3.86	56	152527	73.06	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	301692	71.66	ug/l	98
36) 1,1-Dichloropropene	4.46	75	240964	70.61	ug/l	98
37) Ethyl Acetate	4.30	43	98452	59.27	ug/l #	73
38) Carbon Tetrachloride	4.17	117	337716m	72.16	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	181659	70.55	ug/l	96
40) Benzene	4.81	78	401836	67.85	ug/l	98
41) Methacrylonitrile	4.93	41	51265	62.82	ug/l	92
42) 1,2-Dichloroethane	5.12	62	324183	76.65	ug/l	99
43) Isopropyl Acetate	7.11	43	108082	63.50	ug/l #	94
44) Trichloroethene	5.68	130	154473	67.27	ug/l	96
45) 1,2-Dichloropropane	6.40	63	112979	72.62	ug/l #	90
46) Dibromomethane	6.26	93	105815	71.42	ug/l	95
47) Bromodichloromethane	6.55	83	301786	74.30	ug/l	96
48) Methyl methacrylate	6.88	41	91068	70.68	ug/l	96
49) 1,4-Dioxane	6.87	88	11728	1180.79	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	528541	390.48	ug/l	97
52) Toluene	7.78	92	309703	70.46	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	230436	66.75	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	248660	73.56	ug/l	91
55) 1,1,2-Trichloroethane	8.64	97	108017	68.60	ug/l	95
56) Ethyl methacrylate	8.76	69	119047	73.08	ug/l	91
57) 1,3-Dichloropropane	9.01	76	187339	68.60	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	71968	363.06	ug/l	100
59) 2-Hexanone	9.63	43	389902	364.70	ug/l	100
60) Dibromochloromethane	8.87	129	202933	71.66	ug/l	92
61) 1,2-Dibromoethane	9.14	107	133487	71.42	ug/l	96
64) Tetrachloroethene	8.31	164	173805	74.91	ug/l	97
65) Chlorobenzene	9.94	112	400168	68.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	194204	70.99	ug/l	99
67) Ethyl Benzene	10.04	91	725977	71.74	ug/l	98
68) m/p-Xylenes	10.28	106	498456	140.53	ug/l	92
69) o-Xylene	10.83	106	275036	73.31	ug/l	97
70) Styrene	10.91	104	406846	72.41	ug/l	99
71) Bromoform	10.89	173	122838	69.92	ug/l #	88
73) Isopropylbenzene	11.23	105	880721	71.25	ug/l	99
74) N-amyl acetate	11.46	43	202371	66.37	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	146109	63.86	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	131163	66.87	ug/l	100
77) Bromobenzene	11.60	156	230512	71.65	ug/l	98
78) n-propylbenzene	11.69	91	976920	67.78	ug/l	99
79) 2-Chlorotoluene	11.82	91	629334	70.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	789205	70.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	47897m	60.68	ug/l	
82) 4-Chlorotoluene	11.99	91	673708	70.46	ug/l	100
83) tert-Butylbenzene	12.22	119	762122	68.97	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	799991	71.58	ug/l	97
85) sec-Butylbenzene	12.39	105	982724	69.07	ug/l	99
86) p-Isopropyltoluene	12.54	119	872682	69.55	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	412750	67.28	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	413967	68.99	ug/l	98
89) n-Butylbenzene	12.92	91	808805	68.54	ug/l	99
90) Hexachloroethane	13.00	117	218790	69.46	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	399799	67.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	40044	70.39	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	309956	67.23	ug/l	96
94) Hexachlorobutadiene	14.26	225	217413	70.36	ug/l	97
95) Naphthalene	14.53	128	582559	72.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	317677	70.95	ug/l	98

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

