

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060913.D
 Acq On : 6 Dec 2018 13:16
 Operator : VA/AP
 Sample : VF1206SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:07:33 PM

Quant Time: Dec 06 16:10:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	186366	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	314179	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	295326	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	163540	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	118268	53.87	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	107.74%	
35) Dibromofluoromethane	4.10	113	127792	51.27	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	102.54%	
50) Toluene-d8	7.54	98	358279	48.80	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.41	95	166459	49.88	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	63933	22.943	ug/l	94
3) Chloromethane	1.10	50	39849	21.976	ug/l	92
4) Vinyl Chloride	1.14	62	38645	22.848	ug/l	92
5) Bromomethane	1.33	94	29679	24.885	ug/l	100
6) Chloroethane	1.38	64	17521	23.964	ug/l	99
7) Trichlorofluoromethane	1.49	101	87270	24.048	ug/l	94
8) Diethyl Ether	1.62	74	11782	22.578	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43304	23.604	ug/l	89
10) Methyl Iodide	1.89	142	67799m	24.313	ug/l	
11) Tert butyl alcohol	2.57	59	10327	114.748	ug/l	95
12) 1,1-Dichloroethene	1.78	96	33185	22.488	ug/l	93
13) Acrolein	1.99	56	7230	84.790	ug/l	97
14) Allyl chloride	2.09	41	43695	23.757	ug/l	97
15) Acrylonitrile	2.94	53	24425	121.056	ug/l	99
16) Acetone	2.23	43	49984	123.462	ug/l #	92
17) Carbon Disulfide	1.83	76	93342m	23.591	ug/l	
18) Methyl Acetate	2.34	43	18319	26.184	ug/l #	90
19) Methyl tert-butyl Ether	2.42	73	72721	21.880	ug/l	92
20) Methylene Chloride	2.23	84	39245m	26.423	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	34985	24.591	ug/l	99
22) Diisopropyl ether	2.79	45	118431	23.656	ug/l #	99
23) Vinyl Acetate	3.18	43	283396	123.834	ug/l	97
24) 1,1-Dichloroethane	2.87	63	72503	24.341	ug/l	100
25) 2-Butanone	4.33	43	77110	110.117	ug/l	97
26) 2,2-Dichloropropane	3.59	77	47392	24.541	ug/l	90
27) cis-1,2-Dichloroethene	3.47	96	55557	23.987	ug/l	97
28) Bromochloromethane	3.71	49	35116	24.565	ug/l	97
29) Tetrahydrofuran	4.07	42	34012	114.585	ug/l	96
30) Chloroform	3.85	83	108394	23.644	ug/l	100
31) Cyclohexane	3.69	56	76226	24.658	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	70094	22.047	ug/l	99
36) 1,1-Dichloropropene	4.27	75	78865	22.631	ug/l	96
37) Ethyl Acetate	4.10	43	30366	21.443	ug/l #	76
38) Carbon Tetrachloride	3.98	117	67459	21.917	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	92418	25.306	ug/l	90
40) Benzene	4.62	78	175189	22.756	ug/l	97
41) Methacrylonitrile	4.74	41	15572	18.819	ug/l	89
42) 1,2-Dichloroethane	4.94	62	62949	22.397	ug/l	93
43) Isopropyl Acetate	6.96	43	38363	20.343	ug/l #	99
44) Trichloroethene	5.49	130	57697	22.921	ug/l	99
45) 1,2-Dichloropropane	6.23	63	46758	23.386	ug/l	99
46) Dibromomethane	6.07	93	28231	20.814	ug/l	94
47) Bromodichloromethane	6.38	83	81358	22.584	ug/l	98
48) Methyl methacrylate	6.71	41	26327	20.539	ug/l	89
49) 1,4-Dioxane	6.69	88	3703	394.720	ug/l #	90
51) 4-Methyl-2-Pentanone	8.25	43	140251	107.399	ug/l	98
52) Toluene	7.62	92	116952	21.627	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	61855	21.109	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	82047	22.617	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	35272	22.385	ug/l	92
56) Ethyl methacrylate	8.62	69	36683	20.957	ug/l	93
57) 1,3-Dichloropropane	8.84	76	62715	22.750	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	24997	139.616	ug/l	96
59) 2-Hexanone	9.49	43	101957	111.287	ug/l	96
60) Dibromochloromethane	8.71	129	49759	21.194	ug/l	98
61) 1,2-Dibromoethane	8.98	107	35729	20.990	ug/l	95
64) Tetrachloroethene	8.14	164	49625	22.000	ug/l	94
65) Chlorobenzene	9.79	112	127489	22.190	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	54761	22.172	ug/l	94
67) Ethyl Benzene	9.89	91	258388	24.158	ug/l	100
68) m/p-Xylenes	10.13	106	179473	46.654	ug/l	99
69) o-Xylene	10.71	106	97813	23.058	ug/l	93
70) Styrene	10.79	104	137983	23.465	ug/l	98
71) Bromoform	10.77	173	25976	21.773	ug/l #	87
73) Isopropylbenzene	11.12	105	296695	22.957	ug/l	99
74) N-amyl acetate	11.37	43	60852	20.391	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	44807	21.066	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	33255	21.510	ug/l	99
77) Bromobenzene	11.49	156	56006	19.766	ug/l	78
78) n-propylbenzene	11.59	91	340567	22.502	ug/l	99
79) 2-Chlorotoluene	11.71	91	197066	22.708	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	232029	22.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	14658m	19.351	ug/l	
82) 4-Chlorotoluene	11.89	91	203567	22.290	ug/l	97
83) tert-Butylbenzene	12.13	119	244889	22.914	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	234224	22.369	ug/l	97
85) sec-Butylbenzene	12.30	105	331596	22.665	ug/l	98
86) p-Isopropyltoluene	12.45	119	281726	22.968	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	116027	21.528	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	115365	21.965	ug/l	98
89) n-Butylbenzene	12.84	91	297518	23.988	ug/l	96
90) Hexachloroethane	12.91	117	66597	22.547	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	113541	22.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7798	18.963	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	80513	22.577	ug/l	95
94) Hexachlorobutadiene	14.19	225	51632	21.719	ug/l	96
95) Naphthalene	14.45	128	132771	16.863	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	69100	20.868	ug/l	94

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

