

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060889.D
 Acq On : 3 Dec 2018 14:06
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:47:19 PM

Quant Time: Dec 04 03:27:31 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	4.89	168	195419	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	316283	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	295158	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	164762	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	139846	60.75	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	121.50%	
35) Dibromofluoromethane	4.13	113	138741	55.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.58%	
50) Toluene-d8	7.57	98	403390	54.58	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.16%	
62) 4-Bromofluorobenzene	11.43	95	187132	55.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	111.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	65589	22.447	ug/l	97
3) Chloromethane	1.11	50	42247	22.220	ug/l	94
4) Vinyl Chloride	1.14	62	40833	23.024	ug/l	90
5) Bromomethane	1.33	94	25225	20.171	ug/l	97
6) Chloroethane	1.39	64	14785	19.285	ug/l	95
7) Trichlorofluoromethane	1.49	101	81968	21.541	ug/l	83
8) Diethyl Ether	1.64	74	12510	22.862	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.84	101	39088	20.319	ug/l	98
10) Methyl Iodide	1.91	142	60903	20.828	ug/l #	86
11) Tert butyl alcohol	2.59	59	13186	139.728	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	30363	19.623	ug/l	92
13) Acrolein	2.02	56	7421	82.999	ug/l	90
14) Allyl chloride	2.11	41	38280	19.848	ug/l	95
15) Acrylonitrile	2.97	53	25239	119.295	ug/l	90
16) Acetone	2.26	43	55333	130.342	ug/l #	90
17) Carbon Disulfide	1.84	76	82380	19.856	ug/l	100
18) Methyl Acetate	2.36	43	20421	27.944	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	80350	23.056	ug/l	92
20) Methylene Chloride	2.26	84	32294m	20.736	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	31550m	21.150	ug/l	
22) Diisopropyl ether	2.82	45	116879	22.264	ug/l	97
23) Vinyl Acetate	3.20	43	302975	126.256	ug/l	98
24) 1,1-Dichloroethane	2.89	63	66019	21.137	ug/l	97
25) 2-Butanone	4.36	43	88761	120.883	ug/l	97
26) 2,2-Dichloropropane	3.62	77	42828	21.151	ug/l	99
27) cis-1,2-Dichloroethene	3.50	96	54125	22.287	ug/l	91
28) Bromochloromethane	3.73	49	36566	24.394	ug/l	96
29) Tetrahydrofuran	4.10	42	36349	116.785	ug/l	97
30) Chloroform	3.88	83	106835	22.225	ug/l	93
31) Cyclohexane	3.71	56	69533	21.451	ug/l #	91
32) 1,1,1-Trichloroethane	4.12	97	60827	18.246	ug/l	95
36) 1,1-Dichloropropene	4.30	75	75949	21.650	ug/l	97
37) Ethyl Acetate	4.13	43	35730	25.063	ug/l #	85
38) Carbon Tetrachloride	4.01	117	66330	21.407	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	74560	20.281	ug/l	92
40) Benzene	4.65	78	173701	22.413	ug/l	95
41) Methacrylonitrile	4.77	41	18531	23.012	ug/l #	87
42) 1,2-Dichloroethane	4.96	62	64469	22.785	ug/l	94
43) Isopropyl Acetate	6.98	43	45055	24.212	ug/l #	98
44) Trichloroethene	5.52	130	56028	22.110	ug/l	96
45) 1,2-Dichloropropane	6.26	63	46698	23.200	ug/l	90
46) Dibromomethane	6.11	93	32806	24.026	ug/l	96
47) Bromodichloromethane	6.41	83	80782	22.275	ug/l	97
48) Methyl methacrylate	6.73	41	28189	21.845	ug/l	91
49) 1,4-Dioxane	6.72	88	4132	437.519	ug/l #	68
51) 4-Methyl-2-Pentanone	8.27	43	162075	123.285	ug/l	93
52) Toluene	7.64	92	114422	21.019	ug/l	92
53) t-1,3-Dichloropropene	8.30	75	69036	23.403	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	84739	23.204	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	37505	23.644	ug/l	97
56) Ethyl methacrylate	8.64	69	42902	24.347	ug/l	90
57) 1,3-Dichloropropane	8.87	76	63923	23.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	21447	118.991	ug/l	100
59) 2-Hexanone	9.52	43	128640	139.478	ug/l	99
60) Dibromochloromethane	8.74	129	51760	21.900	ug/l	97
61) 1,2-Dibromoethane	9.01	107	39082	22.807	ug/l	99
64) Tetrachloroethene	8.17	164	46208	20.497	ug/l	97
65) Chlorobenzene	9.82	112	127058	22.128	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	54419	22.046	ug/l	99
67) Ethyl Benzene	9.92	91	242578	22.693	ug/l	98
68) m/p-Xylenes	10.16	106	165730	43.106	ug/l	96
69) o-Xylene	10.73	106	93663	22.092	ug/l	83
70) Styrene	10.81	104	134691	22.918	ug/l	98
71) Bromoform	10.79	173	28142	23.602	ug/l #	93
73) Isopropylbenzene	11.14	105	282401	21.689	ug/l	100
74) N-amyl acetate	11.39	43	71023	23.622	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	50695	23.657	ug/l	100
76) 1,2,3-Trichloropropane	11.81	75	35767	22.963	ug/l	92
77) Bromobenzene	11.51	156	60819	21.306	ug/l	75
78) n-propylbenzene	11.61	91	326560	21.417	ug/l	97
79) 2-Chlorotoluene	11.73	91	184490	21.102	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	223942	21.186	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	18170m	23.809	ug/l	
82) 4-Chlorotoluene	11.91	91	199571	21.690	ug/l	97
83) tert-Butylbenzene	12.15	119	234921	21.818	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	225627	21.388	ug/l	95
85) sec-Butylbenzene	12.32	105	306856	20.819	ug/l	98
86) p-Isopropyltoluene	12.47	119	247789	20.052	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	112018	20.630	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	111813	21.131	ug/l	98
89) n-Butylbenzene	12.86	91	264485	21.167	ug/l	97
90) Hexachloroethane	12.93	117	64119	21.547	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	114835	22.333	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8985	21.687	ug/l	90

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93) 1,2,4-Trichlorobenzene	14.21	180	83539	23.252	µg/l	95
94) Hexachlorobutadiene	14.20	225	49880	20.826	µg/l	96
95) Naphthalene	14.47	128	152790	19.797	µg/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	76248	22.856	µg/l	99

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

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