

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060613.D
 Acq On : 6 Nov 2018 15:02
 Operator : VA/AP
 Sample : VF1106SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Manual Integrations
 APPROVED

apatel
 11/7/2018 11:21:35 AM

Quant Time: Nov 06 16:07:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	254575	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.61	114	448356	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	359186	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	210122	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	143101	55.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.26%	
35) Dibromofluoromethane	4.13	113	174874	50.48	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	7.58	98	496026	48.34	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.42	95	216204	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	91938	33.219	ug/l	98
3) Chloromethane	1.11	50	58720	26.355	ug/l	93
4) Vinyl Chloride	1.15	62	52847	25.740	ug/l #	89
5) Bromomethane	1.31	94	27623	23.970	ug/l	91
6) Chloroethane	1.38	64	19810	24.535	ug/l	99
7) Trichlorofluoromethane	1.50	101	97406	25.349	ug/l	99
8) Diethyl Ether	1.64	74	16238	22.800	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54773	24.944	ug/l	96
10) Methyl Iodide	1.89	142	88519m	24.497	ug/l	
11) Tert butyl alcohol	2.58	59	14727	105.408	ug/l	90
12) 1,1-Dichloroethene	1.80	96	42125	22.778	ug/l	87
13) Acrolein	2.01	56	10874	110.023	ug/l	94
14) Allyl chloride	2.10	41	71593	23.708	ug/l	97
15) Acrylonitrile	2.96	53	35232	114.932	ug/l	97
16) Acetone	2.25	43	81408	134.315	ug/l	97
17) Carbon Disulfide	1.83	76	128407	24.649	ug/l	99
18) Methyl Acetate	2.35	43	23227	24.914	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	98754	22.842	ug/l	96
20) Methylene Chloride	2.19	84	44563m	21.705	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	45036	23.211	ug/l	93
22) Diisopropyl ether	2.81	45	144575	22.597	ug/l #	93
23) Vinyl Acetate	3.21	43	420912	109.494	ug/l	98
24) 1,1-Dichloroethane	2.88	63	86307	23.308	ug/l	99
25) 2-Butanone	4.35	43	138322	102.412	ug/l	98
26) 2,2-Dichloropropane	3.61	77	68454	24.707	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	83208	22.465	ug/l	94
28) Bromochloromethane	3.73	49	54675	23.529	ug/l	95
29) Tetrahydrofuran	4.09	42	54089	114.622	ug/l	99
30) Chloroform	3.88	83	136122	23.236	ug/l	95
31) Cyclohexane	3.71	56	117294	22.955	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	100997	24.684	ug/l	96
36) 1,1-Dichloropropene	4.30	75	98099	19.871	ug/l	97
37) Ethyl Acetate	4.13	43	47740	20.145	ug/l	98
38) Carbon Tetrachloride	4.02	117	94400	22.378	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	129588	21.510	ug/l	98
40) Benzene	4.66	78	259024	21.616	ug/l	100
41) Methacrylonitrile	4.76	41	28791	21.453	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	76855	22.346	ug/l	97
43) Isopropyl Acetate	6.97	43	60045	20.031	ug/l #	95
44) Trichloroethene	5.52	130	74929	20.806	ug/l	98
45) 1,2-Dichloropropane	6.25	63	62867	20.513	ug/l	99
46) Dibromomethane	6.11	93	42208	21.709	ug/l	92
47) Bromodichloromethane	6.40	83	98882	21.085	ug/l	99
48) Methyl methacrylate	6.74	41	37428	19.867	ug/l	94
49) 1,4-Dioxane	6.73	88	7160	363.305	ug/l #	84
51) 4-Methyl-2-Pentanone	8.28	43	221534	109.900	ug/l	100
52) Toluene	7.65	92	154499	19.793	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	79783	19.574	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	107734	20.920	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	44894	19.764	ug/l	96
56) Ethyl methacrylate	8.64	69	59595	20.392	ug/l	96
57) 1,3-Dichloropropane	8.87	76	77898	19.544	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.64	63	20894	99.182	ug/l	100
59) 2-Hexanone	9.51	43	171924	114.977	ug/l	98
60) Dibromochloromethane	8.73	129	60974	19.194	ug/l	95
61) 1,2-Dibromoethane	9.01	107	47799	20.010	ug/l	93
64) Tetrachloroethene	8.18	164	60812	21.603	ug/l	95
65) Chlorobenzene	9.82	112	159183	21.671	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	72207	23.265	ug/l	96
67) Ethyl Benzene	9.91	91	305243	22.900	ug/l	93
68) m/p-Xylenes	10.15	106	223773	44.567	ug/l	98
69) o-Xylene	10.73	106	129069	23.541	ug/l	97
70) Styrene	10.80	104	181785	22.886	ug/l	96
71) Bromoform	10.79	173	35393	22.080	ug/l #	92
73) Isopropylbenzene	11.14	105	360157	21.978	ug/l	95
74) N-amyl acetate	11.38	43	108018	24.173	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	68754	22.986	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	30975	21.072	ug/l	89
77) Bromobenzene	11.51	156	73006	20.360	ug/l	96
78) n-propylbenzene	11.61	91	427787	22.312	ug/l	94
79) 2-Chlorotoluene	11.73	91	244262	22.308	ug/l	93
80) 1,3,5-Trimethylbenzene	11.84	105	299627	22.183	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.89	75	25667m	22.218	ug/l	
82) 4-Chlorotoluene	11.92	91	242861	21.259	ug/l	97
83) tert-Butylbenzene	12.14	119	317683	23.022	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	299731	22.659	ug/l	97
85) sec-Butylbenzene	12.32	105	432192	22.768	ug/l	99
86) p-Isopropyltoluene	12.47	119	345308	22.090	ug/l	96
87) 1,3-Dichlorobenzene	12.49	146	150513	21.386	ug/l	95
88) 1,4-Dichlorobenzene	12.58	146	143317	21.469	ug/l	97
89) n-Butylbenzene	12.85	91	364095	21.426	ug/l	93
90) Hexachloroethane	12.93	117	84841	21.342	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	145320	22.071	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	12437	23.933	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	102615	22.940	ug/l	97
94) Hexachlorobutadiene	14.21	225	64538	22.266	ug/l	94
95) Naphthalene	14.47	128	206595	23.075	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	94035	22.254	ug/l	97

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

