

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110918\
 Data File : VF060670.D
 Acq On : 9 Nov 2018 13:49
 Operator : VA/AP
 Sample : VF1109SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1109SBS01

Manual Integrations
 APPROVED

apatel
 11/12/2018 2:41:05 PM

Quant Time: Nov 12 04:36:25 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	4.87	168	243881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	416823	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	378358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	208653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	141177	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
35) Dibromofluoromethane	4.11	113	168701	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	7.55	98	439946	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
62) 4-Bromofluorobenzene	11.41	95	216604	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	87675	33.047	ug/l	96
3) Chloromethane	1.10	50	55645	26.070	ug/l	94
4) Vinyl Chloride	1.14	62	50599	25.726	ug/l #	89
5) Bromomethane	1.31	94	27576	24.978	ug/l	98
6) Chloroethane	1.37	64	16417	20.590	ug/l	89
7) Trichlorofluoromethane	1.49	101	96487	26.211	ug/l	88
8) Diethyl Ether	1.63	74	11538	16.911	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48165	22.897	ug/l	93
10) Methyl Iodide	1.88	142	77185	22.297	ug/l #	82
11) Tert butyl alcohol	2.56	59	12700	94.190	ug/l	98
12) 1,1-Dichloroethene	1.77	96	35832	20.224	ug/l #	76
13) Acrolein	2.00	56	8404	81.232	ug/l #	76
14) Allyl chloride	2.10	41	67740	23.416	ug/l	91
15) Acrylonitrile	2.94	53	30433	103.630	ug/l	91
16) Acetone	2.24	43	68999	118.833	ug/l	98
17) Carbon Disulfide	1.81	76	112651	22.572	ug/l	100
18) Methyl Acetate	2.34	43	18754	21.073	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	90215	21.782	ug/l	95
20) Methylene Chloride	2.18	84	44943m	23.174	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	41969	22.579	ug/l	94
22) Diisopropyl ether	2.80	45	137548	22.441	ug/l	98
23) Vinyl Acetate	3.18	43	374692	101.744	ug/l	98
24) 1,1-Dichloroethane	2.87	63	84465	23.811	ug/l	98
25) 2-Butanone	4.33	43	130983	100.806	ug/l	100
26) 2,2-Dichloropropane	3.60	77	72538	27.329	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	75297	21.220	ug/l	96
28) Bromochloromethane	3.72	49	50173	22.538	ug/l	97
29) Tetrahydrofuran	4.07	42	42146	91.069	ug/l	99
30) Chloroform	3.85	83	134794	24.018	ug/l	96
31) Cyclohexane	3.70	56	116511	23.801	ug/l	99
32) 1,1,1-Trichloroethane	4.09	97	106742	27.233	ug/l	97
36) 1,1-Dichloropropene	4.28	75	97699	21.288	ug/l	97
37) Ethyl Acetate	4.10	43	38005	17.250	ug/l #	61
38) Carbon Tetrachloride	3.99	117	97979	24.984	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	124601	22.247	ug/l	99
40) Benzene	4.63	78	231121	20.746	ug/l	98
41) Methacrylonitrile	4.74	41	23394	18.750	ug/l #	93
42) 1,2-Dichloroethane	4.94	62	72327	22.621	ug/l	93
43) Isopropyl Acetate	6.96	43	55736	20.000	ug/l #	96
44) Trichloroethene	5.50	130	70935	21.187	ug/l	93
45) 1,2-Dichloropropane	6.24	63	60733	21.316	ug/l	95
46) Dibromomethane	6.08	93	37626	20.816	ug/l	87
47) Bromodichloromethane	6.39	83	95339	21.868	ug/l	99
48) Methyl methacrylate	6.71	41	32835	18.747	ug/l	93
49) 1,4-Dioxane	6.71	88	6946	379.109	ug/l #	87
51) 4-Methyl-2-Pentanone	8.25	43	197757	105.526	ug/l	98
52) Toluene	7.62	92	145068	19.990	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	77161	20.363	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	99196	20.719	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	41703	19.748	ug/l	98
56) Ethyl methacrylate	8.62	69	54424	20.031	ug/l	94
57) 1,3-Dichloropropane	8.86	76	76650	20.686	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.62	63	21126	109.864	ug/l	100
59) 2-Hexanone	9.49	43	169597	123.744	ug/l	99
60) Dibromochloromethane	8.72	129	60925	20.629	ug/l	94
61) 1,2-Dibromoethane	8.98	107	45604	20.536	ug/l	99
64) Tetrachloroethene	8.15	164	61213	20.644	ug/l	96
65) Chlorobenzene	9.80	112	159477	20.611	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	70453	21.549	ug/l	97
67) Ethyl Benzene	9.90	91	317647	22.623	ug/l	99
68) m/p-Xylenes	10.13	106	235249	44.478	ug/l	88
69) o-Xylene	10.71	106	123981	21.467	ug/l	85
70) Styrene	10.79	104	181786	21.727	ug/l	97
71) Bromoform	10.78	173	30883	18.290	ug/l	97
73) Isopropylbenzene	11.12	105	363500	22.338	ug/l	95
74) N-amyl acetate	11.37	43	99757	22.214	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	62545	21.058	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	28055	19.220	ug/l	94
77) Bromobenzene	11.50	156	73459	20.631	ug/l	87
78) n-propylbenzene	11.60	91	434524	22.823	ug/l	98
79) 2-Chlorotoluene	11.72	91	236458	21.747	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	299843	22.355	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	22619m	19.717	ug/l	
82) 4-Chlorotoluene	11.90	91	257639	22.712	ug/l	97
83) tert-Butylbenzene	12.13	119	306436	22.363	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	293692	22.359	ug/l	99
85) sec-Butylbenzene	12.31	105	414612	21.996	ug/l	98
86) p-Isopropyltoluene	12.46	119	360400	23.218	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	150760	21.572	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	141399	21.331	ug/l	99
89) n-Butylbenzene	12.84	91	357998	21.196	ug/l	93
90) Hexachloroethane	12.92	117	83746	21.215	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	140572	21.500	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	10235	19.834	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	92894	20.913	ug/l	97
94) Hexachlorobutadiene	14.19	225	61241	21.277	ug/l	98
95) Naphthalene	14.46	128	183488	20.639	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	88508	21.094	ug/l	99

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

