

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110918\
 Data File : VF060669.D
 Acq On : 9 Nov 2018 13:21
 Operator : VA/AP
 Sample : VF1109SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1109SBS01

Manual Integrations
 APPROVED

apatel
 11/12/2018 2:41:01 PM

Quant Time: Nov 12 04:35:05 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	4.86	168	246788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	424948	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	368868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	206887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	143365	57.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.00%	
35) Dibromofluoromethane	4.10	113	176873	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	7.55	98	479095	49.26	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.41	95	213991	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	94252	35.380	ug/l	95
3) Chloromethane	1.10	50	60952	28.220	ug/l	95
4) Vinyl Chloride	1.13	62	52479	26.368	ug/l #	83
5) Bromomethane	1.31	94	27104	24.261	ug/l #	72
6) Chloroethane	1.36	64	18545	23.532	ug/l	94
7) Trichlorofluoromethane	1.47	101	102934m	27.633	ug/l	
8) Diethyl Ether	1.62	74	13092	18.963	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.82	101	50821	23.875	ug/l	92
10) Methyl Iodide	1.88	142	85290m	24.348	ug/l	
11) Tert butyl alcohol	2.56	59	12136	88.559	ug/l #	89
12) 1,1-Dichloroethene	1.78	96	41342	23.060	ug/l	87
13) Acrolein	1.98	56	9576	96.380	ug/l	94
14) Allyl chloride	2.08	41	75967	25.950	ug/l	96
15) Acrylonitrile	2.93	53	30776	103.564	ug/l	89
16) Acetone	2.23	43	77816	132.439	ug/l	95
17) Carbon Disulfide	1.80	76	119943	23.750	ug/l	96
18) Methyl Acetate	2.34	43	19560	21.705	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	99984	23.857	ug/l	99
20) Methylene Chloride	2.17	84	45060m	22.904	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	43826	23.301	ug/l	96
22) Diisopropyl ether	2.79	45	145499	23.459	ug/l	96
23) Vinyl Acetate	3.18	43	340835	91.461	ug/l	95
24) 1,1-Dichloroethane	2.86	63	85955	23.946	ug/l	97
25) 2-Butanone	4.32	43	139539	108.067	ug/l	96
26) 2,2-Dichloropropane	3.58	77	65792	24.496	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	83580	23.277	ug/l	99
28) Bromochloromethane	3.71	49	52302	23.218	ug/l	96
29) Tetrahydrofuran	4.05	42	47589	102.960	ug/l	99
30) Chloroform	3.85	83	141399	24.899	ug/l	96
31) Cyclohexane	3.68	56	118684	23.960	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	106542	26.861	ug/l	94
36) 1,1-Dichloropropene	4.26	75	101831	21.764	ug/l	98
37) Ethyl Acetate	4.09	43	39528	17.599	ug/l #	64
38) Carbon Tetrachloride	3.98	117	95426	23.867	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	129117	22.613	ug/l	96
40) Benzene	4.63	78	259726	22.868	ug/l	99
41) Methacrylonitrile	4.73	41	25402	19.971	ug/l #	91
42) 1,2-Dichloroethane	4.93	62	70366	21.586	ug/l	96
43) Isopropyl Acetate	6.95	43	49332	17.364	ug/l #	93
44) Trichloroethene	5.49	130	76052	22.281	ug/l	90
45) 1,2-Dichloropropane	6.22	63	66059	22.742	ug/l	92
46) Dibromomethane	6.08	93	41293	22.408	ug/l	97
47) Bromodichloromethane	6.37	83	98562	22.175	ug/l #	97
48) Methyl methacrylate	6.71	41	29968	16.783	ug/l	90
49) 1,4-Dioxane	6.71	88	6097	326.409	ug/l #	77
51) 4-Methyl-2-Pentanone	8.26	43	182714	95.635	ug/l	100
52) Toluene	7.62	92	151572	20.487	ug/l	90
53) t-1,3-Dichloropropene	8.28	75	77039	19.942	ug/l	94
54) cis-1,3-Dichloropropene	7.30	75	99882	20.464	ug/l	93
55) 1,1,2-Trichloroethane	8.48	97	44037	20.455	ug/l	96
56) Ethyl methacrylate	8.61	69	48544	17.525	ug/l	97
57) 1,3-Dichloropropane	8.85	76	79016	20.917	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.62	63	22238	114.176	ug/l	100
59) 2-Hexanone	9.49	43	148180	101.972	ug/l	98
60) Dibromochloromethane	8.71	129	59758	19.847	ug/l	98
61) 1,2-Dibromoethane	8.99	107	46677	20.617	ug/l	97
64) Tetrachloroethene	8.15	164	60333	20.870	ug/l	95
65) Chlorobenzene	9.80	112	161126	21.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	71377	22.394	ug/l	96
67) Ethyl Benzene	9.89	91	302656	22.110	ug/l	98
68) m/p-Xylenes	10.13	106	232626	45.114	ug/l	95
69) o-Xylene	10.71	106	125377	22.268	ug/l	96
70) Styrene	10.78	104	174533	21.396	ug/l	93
71) Bromoform	10.77	173	31971	19.421	ug/l	95
73) Isopropylbenzene	11.13	105	371380	23.017	ug/l	96
74) N-amyl acetate	11.37	43	74748	15.852	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	61379	20.842	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	28003	19.348	ug/l	88
77) Bromobenzene	11.49	156	73964	20.950	ug/l	97
78) n-propylbenzene	11.59	91	419644	22.230	ug/l	100
79) 2-Chlorotoluene	11.72	91	242060	22.453	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	306844	23.072	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.87	75	20884m	18.360	ug/l	
82) 4-Chlorotoluene	11.90	91	249897	22.217	ug/l	98
83) tert-Butylbenzene	12.13	119	306880	22.587	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	292333	22.446	ug/l	97
85) sec-Butylbenzene	12.30	105	428740	22.940	ug/l	97
86) p-Isopropyltoluene	12.46	119	356351	23.153	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	150631	21.737	ug/l	94
88) 1,4-Dichlorobenzene	12.57	146	142912	21.743	ug/l	97
89) n-Butylbenzene	12.84	91	371739	22.298	ug/l	96
90) Hexachloroethane	12.91	117	88646	22.648	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	145271	22.408	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	10800	21.108	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	94621	21.484	ug/l	87
94) Hexachlorobutadiene	14.19	225	61493	21.547	ug/l	97
95) Naphthalene	14.45	128	161915	18.368	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	87659	21.070	ug/l	99

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

