

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060327.D
 Acq On : 25 Sep 2018 16:21
 Operator : VA/AP
 Sample : VF0925SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

Manual Integrations
 APPROVED

apatel
 9/26/2018 11:42:21 AM

Quant Time: Sep 26 02:21:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	254611	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	409216	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	381609	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	198292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	185122	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
35) Dibromofluoromethane	4.27	113	194187	53.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	7.69	98	479589	50.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.50	95	205782	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	113158	26.784	ug/l	89
3) Chloromethane	1.13	50	76015	21.909	ug/l	95
4) Vinyl Chloride	1.18	62	78787	22.281	ug/l	96
5) Bromomethane	1.36	94	54837	23.823	ug/l	91
6) Chloroethane	1.43	64	35415	21.030	ug/l #	81
7) Trichlorofluoromethane	1.53	101	163662	24.843	ug/l	97
8) Diethyl Ether	1.70	74	21956	20.032	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	79979	22.828	ug/l	88
10) Methyl Iodide	1.97	142	127057	22.489	ug/l	88
11) Tert butyl alcohol	2.68	59	22661	109.008	ug/l #	85
12) 1,1-Dichloroethene	1.86	96	71067	24.528	ug/l	90
13) Acrolein	2.08	56	7850	72.133	ug/l	97
14) Allyl chloride	2.18	41	113422	22.432	ug/l	93
15) Acrylonitrile	3.06	53	46436	95.901	ug/l	92
16) Acetone	2.33	43	98131	101.636	ug/l	96
17) Carbon Disulfide	1.87	76	204416	24.575	ug/l	100
18) Methyl Acetate	2.44	43	26170	16.270	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	156624	21.683	ug/l	99
20) Methylene Chloride	2.27	84	75351m	25.209	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	68781	22.984	ug/l	95
22) Diisopropyl ether	2.91	45	213271	22.356	ug/l	98
23) Vinyl Acetate	3.32	43	392231	104.686	ug/l	99
24) 1,1-Dichloroethane	2.99	63	137242	22.183	ug/l	99
25) 2-Butanone	4.49	43	129102	99.341	ug/l	99
26) 2,2-Dichloropropane	3.75	77	83626	23.690	ug/l	86
27) cis-1,2-Dichloroethene	3.62	96	88796	22.586	ug/l	93
28) Bromochloromethane	3.88	49	50321	20.891	ug/l	99
29) Tetrahydrofuran	4.23	42	49847	104.740	ug/l	98
30) Chloroform	4.02	83	165437	22.161	ug/l	95
31) Cyclohexane	3.86	56	113748	21.766	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	145405	24.685	ug/l	95
36) 1,1-Dichloropropene	4.44	75	120245	23.557	ug/l	96
37) Ethyl Acetate	4.27	43	44458	20.584	ug/l	95
38) Carbon Tetrachloride	4.15	117	140619m	25.648	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	128736	23.270	ug/l	98
40) Benzene	4.80	78	269780	23.309	ug/l	97
41) Methacrylonitrile	4.91	41	25346	21.627	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	105195	24.693	ug/l	97
43) Isopropyl Acetate	7.10	43	51981	19.992	ug/l #	94
44) Trichloroethene	5.65	130	79822	23.173	ug/l	99
45) 1,2-Dichloropropane	6.39	63	67205	22.436	ug/l	90
46) Dibromomethane	6.24	93	48790	22.787	ug/l	91
47) Bromodichloromethane	6.53	83	120139	23.348	ug/l	93
48) Methyl methacrylate	6.86	41	35927	19.684	ug/l	89
49) 1,4-Dioxane	6.85	88	6649	407.756	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	213910	106.741	ug/l	98
52) Toluene	7.76	92	161114	22.004	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	98473	23.726	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	117218	22.418	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	47320	21.293	ug/l	98
56) Ethyl methacrylate	8.75	69	55665	20.740	ug/l	93
57) 1,3-Dichloropropane	8.98	76	82284	22.362	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	29263	123.331	ug/l	100
59) 2-Hexanone	9.62	43	156058	109.371	ug/l	95
60) Dibromochloromethane	8.85	129	74996	22.642	ug/l	95
61) 1,2-Dibromoethane	9.12	107	54135	21.875	ug/l	99
64) Tetrachloroethene	8.29	164	69668	20.139	ug/l	97
65) Chlorobenzene	9.93	112	187857	21.720	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	81425	22.686	ug/l	92
67) Ethyl Benzene	10.03	91	356667	22.304	ug/l	99
68) m/p-Xylenes	10.26	106	241541	43.719	ug/l	97
69) o-Xylene	10.82	106	130508	21.060	ug/l	92
70) Styrene	10.89	104	190343	21.780	ug/l	98
71) Bromoform	10.88	173	40894	20.745	ug/l	91
73) Isopropylbenzene	11.22	105	391533	21.995	ug/l	98
74) N-amyl acetate	11.45	43	90047	23.721	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.77	83	66704	21.144	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	49283	21.818	ug/l	91
77) Bromobenzene	11.59	156	82103	21.401	ug/l	98
78) n-propylbenzene	11.68	91	470035	22.143	ug/l	100
79) 2-Chlorotoluene	11.80	91	273801	22.802	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	333708	23.288	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	25501m	21.362	ug/l	
82) 4-Chlorotoluene	11.98	91	270389	22.403	ug/l	99
83) tert-Butylbenzene	12.21	119	324054	22.309	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	321853	22.120	ug/l	95
85) sec-Butylbenzene	12.38	105	450388	21.937	ug/l	98
86) p-Isopropyltoluene	12.53	119	370575	23.169	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	157603	21.984	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	155286	21.915	ug/l	97
89) n-Butylbenzene	12.91	91	408074	23.650	ug/l	99
90) Hexachloroethane	12.99	117	98091	24.132	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	154576	22.603	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13057	22.044	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	116663	23.471	ug/l	96
94) Hexachlorobutadiene	14.25	225	77983	23.208	ug/l	98
95) Naphthalene	14.51	128	206054	23.645	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	104879	22.835	ug/l	97

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

