

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060326.D
 Acq On : 25 Sep 2018 15:53
 Operator : VA/AP
 Sample : VF0925SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Manual Integrations
 APPROVED

apatel
 9/26/2018 11:42:16 AM

Quant Time: Sep 26 02:19:51 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	5.03	168	262397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	416888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	382022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	205781	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	188547	53.36	ug/l	0.00
Spiked Amount						
			Recovery	=	106.72%	
35) Dibromofluoromethane	4.27	113	188119	50.62	ug/l	-0.02
Spiked Amount						
			Recovery	=	101.24%	
50) Toluene-d8	7.69	98	472764	48.85	ug/l	-0.02
Spiked Amount						
			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.50	95	213657	51.07	ug/l	0.00
Spiked Amount						
			Recovery	=	102.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	108960	24.563	ug/l	89
3) Chloromethane	1.12	50	74617	20.867	ug/l	96
4) Vinyl Chloride	1.17	62	78025	21.411	ug/l	95
5) Bromomethane	1.34	94	51281	20.862	ug/l	91
6) Chloroethane	1.43	64	37315	21.500	ug/l	91
7) Trichlorofluoromethane	1.53	101	161375	23.769	ug/l	91
8) Diethyl Ether	1.69	74	22816	20.199	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.88	101	82703	22.905	ug/l	95
10) Methyl Iodide	1.96	142	126996	21.811	ug/l #	96
11) Tert butyl alcohol	2.67	59	25858	122.616	ug/l	99
12) 1,1-Dichloroethene	1.84	96	65827	22.045	ug/l	85
13) Acrolein	2.08	56	9162	99.376	ug/l	90
14) Allyl chloride	2.18	41	111650	21.427	ug/l	95
15) Acrylonitrile	3.07	53	52504	105.215	ug/l	89
16) Acetone	2.33	43	118341	118.931	ug/l	99
17) Carbon Disulfide	1.88	76	201019	23.085	ug/l	96
18) Methyl Acetate	2.43	43	35568	21.457	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	177069	23.787	ug/l	100
20) Methylene Chloride	2.27	84	82734m	27.429	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	65505	21.240	ug/l	96
22) Diisopropyl ether	2.92	45	216518	22.023	ug/l	96
23) Vinyl Acetate	3.32	43	430886	111.591	ug/l	100
24) 1,1-Dichloroethane	2.99	63	144952	22.734	ug/l	99
25) 2-Butanone	4.49	43	133361	99.574	ug/l	97
26) 2,2-Dichloropropane	3.75	77	75436	20.735	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	85665	21.143	ug/l	87
28) Bromochloromethane	3.87	49	51773	20.856	ug/l	87
29) Tetrahydrofuran	4.24	42	50376	102.711	ug/l	98
30) Chloroform	4.02	83	159121	20.683	ug/l	93
31) Cyclohexane	3.84	56	104079	19.325	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	135357	22.298	ug/l	95
36) 1,1-Dichloropropene	4.45	75	114149	21.951	ug/l	97
37) Ethyl Acetate	4.27	43	45599	20.724	ug/l #	78
38) Carbon Tetrachloride	4.15	117	141077m	25.258	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	121989	21.645	ug/l	91
40) Benzene	4.79	78	262027	22.222	ug/l	99
41) Methacrylonitrile	4.91	41	27255	22.828	ug/l #	81
42) 1,2-Dichloroethane	5.10	62	100600	23.180	ug/l	94
43) Isopropyl Acetate	7.10	43	55970	21.130	ug/l #	86
44) Trichloroethene	5.66	130	75693	21.570	ug/l	86
45) 1,2-Dichloropropane	6.39	63	69249	22.693	ug/l	94
46) Dibromomethane	6.24	93	48556	22.260	ug/l	96
47) Bromodichloromethane	6.53	83	119687	22.832	ug/l	93
48) Methyl methacrylate	6.86	41	38247	20.569	ug/l	93
49) 1,4-Dioxane	6.85	88	7269	437.575	ug/l #	68
51) 4-Methyl-2-Pentanone	8.39	43	207204	101.492	ug/l	93
52) Toluene	7.77	92	162135	21.736	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	98425	23.278	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	114832	21.558	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	49636	21.924	ug/l	96
56) Ethyl methacrylate	8.74	69	55386	20.256	ug/l	89
57) 1,3-Dichloropropane	8.99	76	86843	23.166	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	26178	108.299	ug/l	100
59) 2-Hexanone	9.61	43	142862	98.280	ug/l	97
60) Dibromochloromethane	8.85	129	75405	22.346	ug/l	97
61) 1,2-Dibromoethane	9.12	107	55621	22.062	ug/l	99
64) Tetrachloroethene	8.29	164	70012	20.216	ug/l	95
65) Chlorobenzene	9.93	112	181511	20.964	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	77865	21.670	ug/l	97
67) Ethyl Benzene	10.02	91	339488	21.206	ug/l	98
68) m/p-Xylenes	10.25	106	243816	44.083	ug/l	100
69) o-Xylene	10.81	106	135489	21.841	ug/l	94
70) Styrene	10.89	104	188602	21.558	ug/l	97
71) Bromoform	10.88	173	41059	20.806	ug/l #	94
73) Isopropylbenzene	11.22	105	397473	21.516	ug/l	97
74) N-amyl acetate	11.45	43	79702	20.232	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	68872	21.037	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	49623	21.169	ug/l	88
77) Bromobenzene	11.58	156	81344	20.432	ug/l	96
78) n-propylbenzene	11.68	91	488195	22.169	ug/l	98
79) 2-Chlorotoluene	11.80	91	263072	21.111	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	333954	22.457	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	26193m	21.143	ug/l	
82) 4-Chlorotoluene	11.98	91	275525	21.998	ug/l	97
83) tert-Butylbenzene	12.20	119	326965	21.690	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	337544	22.354	ug/l	100
85) sec-Butylbenzene	12.38	105	449490	20.712	ug/l	100
86) p-Isopropyltoluene	12.53	119	363503	21.384	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	163498	21.977	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	155689	21.173	ug/l	97
89) n-Butylbenzene	12.91	91	391908	21.460	ug/l	94
90) Hexachloroethane	12.98	117	92222	21.863	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	157313	22.166	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13315	21.662	ug/l	77

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93) 1,2,4-Trichlorobenzene	14.25	180	114700	22.236	ug/l	95
94) Hexachlorobutadiene	14.24	225	75517	21.657	ug/l	97
95) Naphthalene	14.51	128	179773	19.878	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	104877	22.003	ug/l	98

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

