

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060297.D
 Acq On : 20 Sep 2018 12:22
 Operator : VA/AP
 Sample : VF0920SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Manual Integrations
 APPROVED

apatel
 9/21/2018 11:04:55 AM

Quant Time: Sep 20 15:59:25 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	233921	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	392068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	339955	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	184801	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	164979	52.38	ug/l	0.00
Spiked Amount						
			Recovery	=	104.76%	
35) Dibromofluoromethane	4.27	113	177201	50.70	ug/l	-0.02
Spiked Amount						
			Recovery	=	101.40%	
50) Toluene-d8	7.69	98	423440	46.52	ug/l	-0.02
Spiked Amount						
			Recovery	=	93.04%	
62) 4-Bromofluorobenzene	11.49	95	176067	44.75	ug/l	0.00
Spiked Amount						
			Recovery	=	89.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	112306	29.499	ug/l	95
3) Chloromethane	1.12	50	76340	23.948	ug/l	92
4) Vinyl Chloride	1.17	62	79631	24.512	ug/l	97
5) Bromomethane	1.35	94	48665	22.733	ug/l	91
6) Chloroethane	1.43	64	36660	23.694	ug/l	90
7) Trichlorofluoromethane	1.53	101	153475	25.358	ug/l	99
8) Diethyl Ether	1.69	74	24769	24.598	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80953	25.150	ug/l	90
10) Methyl Iodide	1.96	142	126539	24.378	ug/l	95
11) Tert butyl alcohol	2.67	59	29440	161.560	ug/l	95
12) 1,1-Dichloroethene	1.85	96	67012	25.174	ug/l	95
13) Acrolein	2.08	56	12063	199.054	ug/l	93
14) Allyl chloride	2.18	41	113591	24.453	ug/l	92
15) Acrylonitrile	3.06	53	52822	118.738	ug/l	94
16) Acetone	2.33	43	130233	146.815	ug/l	98
17) Carbon Disulfide	1.88	76	206737	27.853	ug/l	97
18) Methyl Acetate	2.43	43	33281	22.521	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	171752	25.881	ug/l	100
20) Methylene Chloride	2.27	84	76707m	28.876	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67940	24.711	ug/l	91
22) Diisopropyl ether	2.91	45	213818	24.396	ug/l	96
23) Vinyl Acetate	3.31	43	411616	119.577	ug/l	100
24) 1,1-Dichloroethane	2.99	63	133543	23.494	ug/l #	98
25) 2-Butanone	4.48	43	145691	122.022	ug/l	99
26) 2,2-Dichloropropane	3.74	77	74702	23.033	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	78008	21.597	ug/l	93
28) Bromochloromethane	3.86	49	46280	20.913	ug/l	86
29) Tetrahydrofuran	4.23	42	55594	127.148	ug/l	97
30) Chloroform	4.01	83	157079	22.903	ug/l	96
31) Cyclohexane	3.83	56	105904	22.058	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	131172	24.239	ug/l	95
36) 1,1-Dichloropropene	4.44	75	116507	23.823	ug/l	94
37) Ethyl Acetate	4.26	43	47503	22.956	ug/l #	91
38) Carbon Tetrachloride	4.15	117	126964m	24.170	ug/l	

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39) Methylcyclohexane	5.61	83	123707	23.339	ug/l	94
40) Benzene	4.78	78	237617	21.428	ug/l	93
41) Methacrylonitrile	4.90	41	23511	20.939	ug/l	98
42) 1,2-Dichloroethane	5.10	62	96417	23.622	ug/l	96
43) Isopropyl Acetate	7.09	43	50724	20.362	ug/l #	99
44) Trichloroethene	5.66	130	73378	22.234	ug/l	97
45) 1,2-Dichloropropane	6.38	63	64274	22.396	ug/l #	86
46) Dibromomethane	6.23	93	46213	22.527	ug/l	95
47) Bromodichloromethane	6.52	83	111003	22.516	ug/l	93
48) Methyl methacrylate	6.85	41	38107	21.791	ug/l	90
49) 1,4-Dioxane	6.84	88	8615	551.430	ug/l #	89
51) 4-Methyl-2-Pentanone	8.39	43	198150	103.201	ug/l	94
52) Toluene	7.76	92	153275	21.849	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	92281	23.206	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	107473	21.453	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	47394	22.259	ug/l	94
56) Ethyl methacrylate	8.74	69	49567	19.276	ug/l	97
57) 1,3-Dichloropropane	8.98	76	79616	22.583	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	25488	112.120	ug/l	100
59) 2-Hexanone	9.61	43	139655	102.156	ug/l	96
60) Dibromochloromethane	8.84	129	70336	22.164	ug/l	97
61) 1,2-Dibromoethane	9.12	107	50115	21.137	ug/l	94
64) Tetrachloroethene	8.29	164	64056	20.785	ug/l	95
65) Chlorobenzene	9.92	112	160669	20.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	70140	21.936	ug/l	95
67) Ethyl Benzene	10.01	91	309143	21.700	ug/l	96
68) m/p-Xylenes	10.25	106	217314	44.153	ug/l	99
69) o-Xylene	10.81	106	120349	21.801	ug/l	98
70) Styrene	10.88	104	174125	22.366	ug/l	97
71) Bromoform	10.87	173	41420	23.587	ug/l #	100
73) Isopropylbenzene	11.21	105	362737	21.865	ug/l	96
74) N-amyl acetate	11.44	43	67541	19.092	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.77	83	65453	22.262	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	48175	22.884	ug/l	84
77) Bromobenzene	11.58	156	72939	20.401	ug/l	96
78) n-propylbenzene	11.67	91	445272	22.672	ug/l	97
79) 2-Chlorotoluene	11.80	91	243460	21.755	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	290867	21.781	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	25969m	23.342	ug/l	
82) 4-Chlorotoluene	11.98	91	244517	21.739	ug/l	99
83) tert-Butylbenzene	12.20	119	296291	21.887	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	303464	22.378	ug/l	97
85) sec-Butylbenzene	12.37	105	418241	21.823	ug/l	94
86) p-Isopropyltoluene	12.53	119	332860	21.989	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	146519	21.930	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	142375	21.560	ug/l	98
89) n-Butylbenzene	12.90	91	365119	22.475	ug/l	97
90) Hexachloroethane	12.98	117	83389	22.013	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	140817	22.095	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12925	23.414	ug/l	87

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93) 1,2,4-Trichlorobenzene	14.25	180	101127	21.830	ug/l	99
94) Hexachlorobutadiene	14.24	225	67685	21.614	ug/l	99
95) Naphthalene	14.51	128	168113	20.699	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	96464	22.536	ug/l	98

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

