

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060287.D
 Acq On : 19 Sep 2018 19:03
 Operator : VA/AP
 Sample : VF0919SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:55:09 AM

Quant Time: Sep 20 04:29:43 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	282524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	457128	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	397822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	213259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	190014	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	4.28	113	197966	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	7.70	98	498056	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
62) 4-Bromofluorobenzene	11.51	95	213345	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	100749	20.10	ug/l	95
3) Chloromethane	1.13	50	79609	20.68	ug/l	95
4) Vinyl Chloride	1.18	62	76097	19.39	ug/l	89
5) Bromomethane	1.35	94	49288	17.75	ug/l	97
6) Chloroethane	1.42	64	36896	19.74	ug/l	98
7) Trichlorofluoromethane	1.53	101	152320	20.84	ug/l	96
8) Diethyl Ether	1.70	74	26818	22.05	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	1.89	101	85910	22.10	ug/l	95
10) Methyl Iodide	1.96	142	135465	21.61	ug/l	94
11) Tert butyl alcohol	2.67	59	27336	120.07	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	64216	19.97	ug/l	95
13) Acrolein	2.08	56	12180	150.43	ug/l	98
14) Allyl chloride	2.18	41	114270	20.37	ug/l	92
15) Acrylonitrile	3.07	53	53126	98.88	ug/l	94
16) Acetone	2.33	43	93879	87.63	ug/l	96
17) Carbon Disulfide	1.89	76	210311	22.21	ug/l	99
18) Methyl Acetate	2.45	43	35811	20.06	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	162649	20.29	ug/l	98
20) Methylene Chloride	2.27	84	74109m	21.35	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	71764	21.61	ug/l	99
22) Diisopropyl ether	2.92	45	217498	20.55	ug/l	99
23) Vinyl Acetate	3.33	43	450934	108.46	ug/l	97
24) 1,1-Dichloroethane	2.99	63	137270	20.00	ug/l	97
25) 2-Butanone	4.50	43	141247	97.95	ug/l	97
26) 2,2-Dichloropropane	3.75	77	79461	20.29	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	88639	20.32	ug/l	93
28) Bromochloromethane	3.88	49	52921	19.80	ug/l	83
29) Tetrahydrofuran	4.24	42	55370	104.85	ug/l	96
30) Chloroform	4.03	83	168428	20.33	ug/l	92
31) Cyclohexane	3.85	56	124373	21.45	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	140290	21.46	ug/l	98
36) 1,1-Dichloropropene	4.45	75	119699	20.99	ug/l	97
37) Ethyl Acetate	4.28	43	55157	22.86	ug/l	91
38) Carbon Tetrachloride	4.16	117	129004	21.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	132422	21.43	ug/l	96
40) Benzene	4.79	78	269023	20.81	ug/l	99
41) Methacrylonitrile	4.90	41	27805	21.24	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	100089	21.03	ug/l	99
43) Isopropyl Acetate	7.10	43	62687	21.58	ug/l #	85
44) Trichloroethene	5.66	130	85635	22.26	ug/l	93
45) 1,2-Dichloropropane	6.39	63	74162	22.16	ug/l #	87
46) Dibromomethane	6.24	93	49949	20.88	ug/l	95
47) Bromodichloromethane	6.54	83	123354	21.46	ug/l	100
48) Methyl methacrylate	6.86	41	45016	22.08	ug/l	98
49) 1,4-Dioxane	6.85	88	7948	436.33	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	235843	105.35	ug/l	95
52) Toluene	7.77	92	166503	20.36	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	98328	21.21	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	119681	20.49	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	54166	21.82	ug/l	92
56) Ethyl methacrylate	8.76	69	63440	21.16	ug/l	93
57) 1,3-Dichloropropane	8.99	76	82069	19.97	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	27670	104.39	ug/l	100
59) 2-Hexanone	9.62	43	173673	108.96	ug/l	97
60) Dibromochloromethane	8.86	129	77202	20.86	ug/l	97
61) 1,2-Dibromoethane	9.13	107	59181	21.41	ug/l	93
64) Tetrachloroethene	8.29	164	77272	21.43	ug/l	95
65) Chlorobenzene	9.93	112	184569	20.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	79203	21.17	ug/l	92
67) Ethyl Benzene	10.03	91	362317	21.73	ug/l	98
68) m/p-Xylenes	10.25	106	241095	41.86	ug/l	95
69) o-Xylene	10.82	106	138238	21.40	ug/l	100
70) Styrene	10.90	104	195727	21.48	ug/l	98
71) Bromoform	10.89	173	42873	20.86	ug/l	92
73) Isopropylbenzene	11.22	105	405569	21.18	ug/l	100
74) N-amyl acetate	11.46	43	98260	24.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	72140	21.26	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	50956	20.98	ug/l	90
77) Bromobenzene	11.59	156	82861	20.08	ug/l	87
78) n-propylbenzene	11.68	91	482419	20.67	ug/l	98
79) 2-Chlorotoluene	11.80	91	272143	21.07	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	329721	21.40	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	24852m	19.36	ug/l	
82) 4-Chlorotoluene	11.98	91	271108	20.89	ug/l	97
83) tert-Butylbenzene	12.21	119	333774	21.37	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	329725	21.07	ug/l	99
85) sec-Butylbenzene	12.38	105	450915	19.73	ug/l	96
86) p-Isopropyltoluene	12.53	119	370210	20.85	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	162969	21.14	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	155811	20.45	ug/l	97
89) n-Butylbenzene	12.92	91	399745	21.03	ug/l	96
90) Hexachloroethane	13.00	117	90740	20.76	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	154502	21.01	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12251	19.23	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	116463	21.79	ug/l	92
94) Hexachlorobutadiene	14.26	225	78262	21.66	ug/l	95
95) Naphthalene	14.52	128	217543	23.21	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	101938	20.64	ug/l	94

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

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