

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060286.D
 Acq On : 19 Sep 2018 18:35
 Operator : VA/AP
 Sample : VF0919SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:55:06 AM

Quant Time: Sep 20 04:27:52 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	5.04	168	267676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	445180	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	396790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	174165	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	4.28	113	201648	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	7.70	98	500284	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.50	95	213490	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	105012	22.82	ug/l	86
3) Chloromethane	1.12	50	76572	20.99	ug/l	99
4) Vinyl Chloride	1.17	62	77805	20.93	ug/l	96
5) Bromomethane	1.35	94	49631	19.37	ug/l	100
6) Chloroethane	1.43	64	35964	20.31	ug/l	98
7) Trichlorofluoromethane	1.54	101	146901	21.21	ug/l	100
8) Diethyl Ether	1.69	74	23520	20.41	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.90	101	77593	21.07	ug/l	87
10) Methyl Iodide	1.96	142	128691	21.67	ug/l #	96
11) Tert butyl alcohol	2.68	59	24535	112.80	ug/l	100
12) 1,1-Dichloroethene	1.85	96	68093	22.35	ug/l	97
13) Acrolein	2.09	56	14240	208.02	ug/l	96
14) Allyl chloride	2.19	41	108053	20.33	ug/l	96
15) Acrylonitrile	3.06	53	49885	98.00	ug/l	95
16) Acetone	2.34	43	97666	96.22	ug/l	100
17) Carbon Disulfide	1.89	76	208251	23.57	ug/l	98
18) Methyl Acetate	2.44	43	31611	18.69	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	159776	21.04	ug/l	95
20) Methylene Chloride	2.28	84	71152m	21.75	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	65456	20.81	ug/l	94
22) Diisopropyl ether	2.92	45	196122	19.56	ug/l	94
23) Vinyl Acetate	3.32	43	453055	115.02	ug/l	99
24) 1,1-Dichloroethane	2.99	63	131201	20.17	ug/l	100
25) 2-Butanone	4.49	43	122392	89.58	ug/l	97
26) 2,2-Dichloropropane	3.75	77	78454	21.14	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	88604	21.44	ug/l	86
28) Bromochloromethane	3.87	49	53313	21.05	ug/l	95
29) Tetrahydrofuran	4.25	42	52817	105.56	ug/l	98
30) Chloroform	4.02	83	172272	21.95	ug/l	95
31) Cyclohexane	3.84	56	121594	22.13	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	125430	20.25	ug/l	98
36) 1,1-Dichloropropene	4.44	75	113579	20.45	ug/l	98
37) Ethyl Acetate	4.28	43	45038	19.17	ug/l	99
38) Carbon Tetrachloride	4.17	117	119010m	19.95	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	122877	20.42	ug/l	97
40) Benzene	4.80	78	253303	20.12	ug/l	96
41) Methacrylonitrile	4.91	41	24643	19.33	ug/l	92
42) 1,2-Dichloroethane	5.11	62	90445	19.52	ug/l	96
43) Isopropyl Acetate	7.11	43	53458	18.90	ug/l #	98
44) Trichloroethene	5.67	130	77396	20.65	ug/l	95
45) 1,2-Dichloropropane	6.39	63	66877	20.52	ug/l	97
46) Dibromomethane	6.24	93	45974	19.74	ug/l	99
47) Bromodichloromethane	6.53	83	112489	20.10	ug/l	99
48) Methyl methacrylate	6.86	41	36632	18.45	ug/l #	89
49) 1,4-Dioxane	6.86	88	6829	384.96	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	197341	90.52	ug/l	95
52) Toluene	7.77	92	160534	20.15	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	88551	19.61	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	112892	19.85	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	48732	20.16	ug/l	93
56) Ethyl methacrylate	8.75	69	55272	18.93	ug/l	92
57) 1,3-Dichloropropane	8.99	76	83020	20.74	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	25519	98.86	ug/l	100
59) 2-Hexanone	9.62	43	133387	85.93	ug/l	99
60) Dibromochloromethane	8.85	129	68865	19.11	ug/l	96
61) 1,2-Dibromoethane	9.13	107	53258	19.78	ug/l	100
64) Tetrachloroethene	8.30	164	68958	19.17	ug/l	96
65) Chlorobenzene	9.94	112	177065	19.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	72403	19.40	ug/l	97
67) Ethyl Benzene	10.03	91	331445	19.93	ug/l	99
68) m/p-Xylenes	10.26	106	234617	40.84	ug/l	99
69) o-Xylene	10.82	106	135657	21.05	ug/l	97
70) Styrene	10.89	104	182896	20.13	ug/l	97
71) Bromoform	10.88	173	42494	20.73	ug/l #	97
73) Isopropylbenzene	11.23	105	362086	19.36	ug/l	96
74) N-amyl acetate	11.45	43	70533	17.69	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	67222	20.29	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	44905	18.93	ug/l	87
77) Bromobenzene	11.59	156	78895	19.58	ug/l	99
78) n-propylbenzene	11.68	91	447777	19.15	ug/l	100
79) 2-Chlorotoluene	11.81	91	252263	20.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	316192	21.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	21801m	17.39	ug/l	
82) 4-Chlorotoluene	11.99	91	253485	19.99	ug/l	99
83) tert-Butylbenzene	12.21	119	304916	19.98	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	310853	20.34	ug/l	99
85) sec-Butylbenzene	12.38	105	433103	19.23	ug/l	95
86) p-Isopropyltoluene	12.54	119	347835	19.70	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	150961	20.05	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	147126	19.77	ug/l	97
89) n-Butylbenzene	12.91	91	361425	19.06	ug/l	97
90) Hexachloroethane	12.99	117	87162	20.41	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	143648	20.00	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12131	19.50	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	104998	20.11	ug/l	94
94) Hexachlorobutadiene	14.25	225	72139	20.44	ug/l	96
95) Naphthalene	14.52	128	167384	18.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	100742	20.88	ug/l	99

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

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