

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060350.D
 Acq On : 26 Sep 2018 14:29
 Operator : VA/AP
 Sample : VF0926SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

Manual Integrations
 APPROVED

apatel
 9/27/2018 9:56:19 AM

Quant Time: Sep 26 17:24:09 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	247235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	403369	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	354819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	192470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	165410	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	4.29	113	192824	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	7.71	98	448421	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.50	95	199408	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	110262	26.902	ug/l	98
3) Chloromethane	1.13	50	81027	24.050	ug/l	100
4) Vinyl Chloride	1.17	62	81465	23.726	ug/l	96
5) Bromomethane	1.35	94	55695	25.292	ug/l	99
6) Chloroethane	1.44	64	41249	25.225	ug/l	93
7) Trichlorofluoromethane	1.54	101	166070	25.961	ug/l	99
8) Diethyl Ether	1.70	74	25031	23.519	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.90	101	87351	25.676	ug/l	99
10) Methyl Iodide	1.97	142	135741	24.743	ug/l	96
11) Tert butyl alcohol	2.69	59	29448	151.941	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	75805	26.943	ug/l	90
13) Acrolein	2.09	56	9026	109.642	ug/l	82
14) Allyl chloride	2.19	41	112484	22.911	ug/l	96
15) Acrylonitrile	3.07	53	49947	106.229	ug/l	87
16) Acetone	2.33	43	110291	117.638	ug/l	96
17) Carbon Disulfide	1.89	76	213497	27.032	ug/l	94
18) Methyl Acetate	2.45	43	35598	22.792	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	168070	23.962	ug/l	96
20) Methylene Chloride	2.28	84	80105m	28.427	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	76364	26.279	ug/l	98
22) Diisopropyl ether	2.92	45	204326	22.058	ug/l	95
23) Vinyl Acetate	3.33	43	440465	121.067	ug/l	98
24) 1,1-Dichloroethane	3.00	63	134226	22.343	ug/l	100
25) 2-Butanone	4.50	43	140156	111.065	ug/l	96
26) 2,2-Dichloropropane	3.75	77	80536	23.495	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	91515	23.972	ug/l	85
28) Bromochloromethane	3.88	49	52504	22.448	ug/l	98
29) Tetrahydrofuran	4.25	42	54097	117.062	ug/l	100
30) Chloroform	4.03	83	172757	23.832	ug/l	93
31) Cyclohexane	3.85	56	116640	22.986	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	140232	24.517	ug/l	91
36) 1,1-Dichloropropene	4.45	75	122999	24.446	ug/l	97
37) Ethyl Acetate	4.28	43	47512	22.317	ug/l	95
38) Carbon Tetrachloride	4.16	117	126575m	23.421	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	133537	24.488	ug/l	94
40) Benzene	4.81	78	277146	24.292	ug/l	100
41) Methacrylonitrile	4.92	41	22870	19.797	ug/l	94
42) 1,2-Dichloroethane	5.10	62	98370	23.425	ug/l	100
43) Isopropyl Acetate	7.11	43	59608	23.257	ug/l #	88
44) Trichloroethene	5.67	130	81364	23.963	ug/l	91
45) 1,2-Dichloropropane	6.40	63	63737	21.586	ug/l	98
46) Dibromomethane	6.25	93	48182	22.829	ug/l	97
47) Bromodichloromethane	6.54	83	117843	23.234	ug/l #	92
48) Methyl methacrylate	6.87	41	37681	20.944	ug/l	98
49) 1,4-Dioxane	6.86	88	6570	408.752	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	211623	107.130	ug/l	98
52) Toluene	7.78	92	165883	22.983	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	93810	22.930	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	116711	22.645	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	48929	22.336	ug/l	91
56) Ethyl methacrylate	8.75	69	61301	23.171	ug/l	90
57) 1,3-Dichloropropane	9.00	76	86896	23.957	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.77	63	26128	111.715	ug/l	100
59) 2-Hexanone	9.63	43	160056	113.798	ug/l	99
60) Dibromochloromethane	8.86	129	75902	23.248	ug/l	86
61) 1,2-Dibromoethane	9.13	107	55448	22.731	ug/l	98
64) Tetrachloroethene	8.30	164	68106	21.174	ug/l	99
65) Chlorobenzene	9.93	112	183893	22.867	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	80694	24.179	ug/l	96
67) Ethyl Benzene	10.03	91	355394	23.902	ug/l	97
68) m/p-Xylenes	10.26	106	252321	49.118	ug/l	99
69) o-Xylene	10.82	106	135573	23.530	ug/l	90
70) Styrene	10.90	104	190874	23.490	ug/l	95
71) Bromoform	10.88	173	41223	22.491	ug/l	94
73) Isopropylbenzene	11.23	105	401758	23.252	ug/l	100
74) N-amyl acetate	11.46	43	95237	25.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	68027	22.215	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	48670	22.198	ug/l	89
77) Bromobenzene	11.59	156	84581	22.714	ug/l	96
78) n-propylbenzene	11.68	91	460361	22.433	ug/l	96
79) 2-Chlorotoluene	11.81	91	262516	22.523	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	328542	23.621	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	23854m	20.587	ug/l	
82) 4-Chlorotoluene	11.99	91	267072	22.798	ug/l	99
83) tert-Butylbenzene	12.21	119	326845	23.182	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	325456	23.044	ug/l	96
85) sec-Butylbenzene	12.39	105	431452	21.519	ug/l	99
86) p-Isopropyltoluene	12.54	119	369464	24.054	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	159188	22.877	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	150283	21.851	ug/l	99
89) n-Butylbenzene	12.92	91	379453	22.414	ug/l	94
90) Hexachloroethane	12.99	117	90011	22.814	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	152132	22.919	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11742	20.424	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	110852	22.976	ug/l	96
94) Hexachlorobutadiene	14.25	225	72874	22.344	ug/l	96
95) Naphthalene	14.52	128	209558	24.774	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	104596	23.462	ug/l	98

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

