

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060314.D
 Acq On : 21 Sep 2018 14:13
 Operator : VA/AP
 Sample : VF0921SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBSD01

Manual Integrations
 APPROVED

apatel
 9/24/2018 2:28:41 PM

Quant Time: Sep 21 14:54:20 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	251104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	427324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	374808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	193888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	172797	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	4.28	113	185155	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	7.70	98	470629	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.50	95	212537	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	105952	25.072	ug/l	85
3) Chloromethane	1.13	50	80495	23.524	ug/l	98
4) Vinyl Chloride	1.18	62	78299	22.452	ug/l	95
5) Bromomethane	1.34	94	55825	24.853	ug/l	99
6) Chloroethane	1.42	64	37100	22.338	ug/l	95
7) Trichlorofluoromethane	1.53	101	160365	24.683	ug/l	93
8) Diethyl Ether	1.70	74	24162	22.353	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80230	23.220	ug/l	96
10) Methyl Iodide	1.96	142	133076	23.883	ug/l	97
11) Tert butyl alcohol	2.67	59	24392	120.611	ug/l	95
12) 1,1-Dichloroethene	1.85	96	70012	24.501	ug/l	98
13) Acrolein	2.08	56	11099	156.907	ug/l	99
14) Allyl chloride	2.18	41	111073	22.275	ug/l	95
15) Acrylonitrile	3.06	53	49757	104.195	ug/l	91
16) Acetone	2.33	43	105319	110.604	ug/l	94
17) Carbon Disulfide	1.89	76	213470	26.489	ug/l	98
18) Methyl Acetate	2.45	43	30734	19.374	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	156205	21.927	ug/l	93
20) Methylene Chloride	2.27	84	83072	29.209	ug/l	85
21) trans-1,2-Dichloroethene	2.41	96	70591	23.918	ug/l	97
22) Diisopropyl ether	2.91	45	219257	23.305	ug/l	95
23) Vinyl Acetate	3.33	43	411353	111.323	ug/l	100
24) 1,1-Dichloroethane	2.99	63	140394	23.009	ug/l	99
25) 2-Butanone	4.50	43	137426	107.223	ug/l	96
26) 2,2-Dichloropropane	3.75	77	88575	25.442	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	87538	22.577	ug/l	88
28) Bromochloromethane	3.88	49	50202	21.133	ug/l	85
29) Tetrahydrofuran	4.23	42	49264	104.961	ug/l	99
30) Chloroform	4.03	83	167656	22.772	ug/l	98
31) Cyclohexane	3.86	56	112949	21.915	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	142433	24.518	ug/l	96
36) 1,1-Dichloropropene	4.45	75	127448	23.910	ug/l	94
37) Ethyl Acetate	4.27	43	44742	19.838	ug/l #	80
38) Carbon Tetrachloride	4.16	117	141685m	24.747	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	125386	21.704	ug/l	96
40) Benzene	4.79	78	265943	22.004	ug/l	98
41) Methacrylonitrile	4.90	41	25726	21.021	ug/l	98
42) 1,2-Dichloroethane	5.10	62	100550	22.602	ug/l	99
43) Isopropyl Acetate	7.10	43	58541	21.561	ug/l #	96
44) Trichloroethene	5.66	130	78707	21.881	ug/l	95
45) 1,2-Dichloropropane	6.39	63	69760	22.302	ug/l	98
46) Dibromomethane	6.24	93	46413	20.758	ug/l	95
47) Bromodichloromethane	6.54	83	115608	21.516	ug/l	94
48) Methyl methacrylate	6.85	41	38145	20.013	ug/l	95
49) 1,4-Dioxane	6.85	88	6411	376.500	ug/l #	62
51) 4-Methyl-2-Pentanone	8.39	43	214622	102.558	ug/l	97
52) Toluene	7.77	92	160896	21.043	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	92977	21.452	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	116954	21.420	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	49809	21.463	ug/l	98
56) Ethyl methacrylate	8.75	69	59937	21.385	ug/l	94
57) 1,3-Dichloropropane	8.99	76	84252	21.926	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	28032	113.137	ug/l	100
59) 2-Hexanone	9.61	43	177603	119.196	ug/l	98
60) Dibromochloromethane	8.86	129	73001	21.106	ug/l	93
61) 1,2-Dibromoethane	9.12	107	52868	20.458	ug/l	86
64) Tetrachloroethene	8.29	164	72475	21.330	ug/l	93
65) Chlorobenzene	9.93	112	187738	22.100	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	77874	22.090	ug/l	94
67) Ethyl Benzene	10.03	91	357635	22.770	ug/l	99
68) m/p-Xylenes	10.25	106	242735	44.732	ug/l	96
69) o-Xylene	10.82	106	132509	21.771	ug/l	97
70) Styrene	10.90	104	183569	21.386	ug/l	97
71) Bromoform	10.88	173	39978	20.649	ug/l	96
73) Isopropylbenzene	11.22	105	400551	23.012	ug/l	97
74) N-amyl acetate	11.46	43	97271	26.207	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	68335	22.153	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	48623	22.014	ug/l	100
77) Bromobenzene	11.59	156	82517	21.998	ug/l	99
78) n-propylbenzene	11.67	91	479773	23.555	ug/l	98
79) 2-Chlorotoluene	11.80	91	269928	22.990	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	334024	23.840	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	21565m	18.475	ug/l	
82) 4-Chlorotoluene	11.98	91	277847	23.544	ug/l	99
83) tert-Butylbenzene	12.21	119	327967	23.091	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	330006	23.195	ug/l	97
85) sec-Butylbenzene	12.38	105	449907	22.628	ug/l	99
86) p-Isopropyltoluene	12.53	119	355785	22.579	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	162476	23.179	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	151810	21.912	ug/l	99
89) n-Butylbenzene	12.91	91	378415	22.132	ug/l	95
90) Hexachloroethane	12.99	117	91540	23.032	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	151877	22.713	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12265	21.177	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	110563	22.749	ug/l	98
94) Hexachlorobutadiene	14.25	225	73943	22.506	ug/l	98
95) Naphthalene	14.51	128	196741	23.089	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	98847	22.010	ug/l	100

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

