

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061183.D
 Acq On : 26 Dec 2018 12:44
 Operator : VA/AP
 Sample : VF1226SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBSD01

Manual Integrations
 APPROVED

apatel
 12/27/2018 4:18:55 PM

Quant Time: Dec 27 00:26:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	197797	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	343960	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	321763	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	163532	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	124154	48.80	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	4.10	113	131446	47.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	7.53	98	368230	47.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	11.40	95	179380	49.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	76159	17.321	ug/l	96
3) Chloromethane	1.09	50	48571	19.285	ug/l	97
4) Vinyl Chloride	1.13	62	46767	20.017	ug/l	91
5) Bromomethane	1.33	94	30741	18.970	ug/l	90
6) Chloroethane	1.37	64	19061	17.705	ug/l #	80
7) Trichlorofluoromethane	1.48	101	89035	19.958	ug/l	96
8) Diethyl Ether	1.62	74	12142	19.876	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.81	101	43644	18.869	ug/l	93
10) Methyl Iodide	1.89	142	65700	18.019	ug/l	96
11) Tert butyl alcohol	2.56	59	9264	90.239	ug/l	96
12) 1,1-Dichloroethene	1.78	96	34045	19.526	ug/l	90
13) Acrolein	1.99	56	7119	95.966	ug/l	99
14) Allyl chloride	2.09	41	42568	23.460	ug/l	88
15) Acrylonitrile	2.93	53	24237	102.097	ug/l	97
16) Acetone	2.23	43	48016	94.413	ug/l #	90
17) Carbon Disulfide	1.83	76	97399	18.485	ug/l #	93
18) Methyl Acetate	2.33	43	21434	20.371	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	75186	19.427	ug/l	98
20) Methylene Chloride	2.23	84	41569m	23.168	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	35992	19.300	ug/l	93
22) Diisopropyl ether	2.79	45	121983	20.182	ug/l #	98
23) Vinyl Acetate	3.17	43	289885	103.966	ug/l	98
24) 1,1-Dichloroethane	2.86	63	76864	21.464	ug/l	99
25) 2-Butanone	4.32	43	85931	104.182	ug/l	99
26) 2,2-Dichloropropane	3.59	77	45937	22.353	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	53024	18.573	ug/l	93
28) Bromochloromethane	3.70	49	33664	18.527	ug/l	82
29) Tetrahydrofuran	4.06	42	35421	105.512	ug/l	98
30) Chloroform	3.84	83	109626	20.416	ug/l	100
31) Cyclohexane	3.68	56	75079	20.204	ug/l	92
32) 1,1,1-Trichloroethane	4.07	97	78322	24.336	ug/l	94
36) 1,1-Dichloropropene	4.26	75	85243	20.531	ug/l	97
37) Ethyl Acetate	4.09	43	31357	17.347	ug/l #	79
38) Carbon Tetrachloride	3.97	117	67391	21.314	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	82332	22.104	ug/l	95
40) Benzene	4.61	78	174918	19.591	ug/l	97
41) Methacrylonitrile	4.73	41	18217	20.776	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	65539	19.323	ug/l	99
43) Isopropyl Acetate	6.95	43	45245	22.569	ug/l	94
44) Trichloroethene	5.48	130	58360	20.732	ug/l	97
45) 1,2-Dichloropropane	6.22	63	49872	20.531	ug/l	94
46) Dibromomethane	6.07	93	30488	19.351	ug/l	99
47) Bromodichloromethane	6.37	83	79292	19.370	ug/l #	98
48) Methyl methacrylate	6.70	41	26823	19.166	ug/l	93
49) 1,4-Dioxane	6.70	88	3550	349.589	ug/l #	73
51) 4-Methyl-2-Pentanone	8.24	43	144411	105.036	ug/l	98
52) Toluene	7.61	92	118479	20.046	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	64944	19.666	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	81996	19.783	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	34463	19.451	ug/l	92
56) Ethyl methacrylate	8.61	69	37143	19.373	ug/l	95
57) 1,3-Dichloropropane	8.83	76	64661	20.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	30865	83.823	ug/l	100
59) 2-Hexanone	9.48	43	110062	110.695	ug/l	99
60) Dibromochloromethane	8.70	129	49507	19.492	ug/l	93
61) 1,2-Dibromoethane	8.97	107	37492	19.813	ug/l	90
64) Tetrachloroethene	8.13	164	47104	19.031	ug/l	98
65) Chlorobenzene	9.78	112	131591	19.797	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.91	131	51744	19.049	ug/l	95
67) Ethyl Benzene	9.88	91	257190	21.238	ug/l	100
68) m/p-Xylenes	10.12	106	174721	40.997	ug/l	100
69) o-Xylene	10.70	106	100931	21.354	ug/l	93
70) Styrene	10.78	104	135844	20.727	ug/l	99
71) Bromoform	10.76	173	24914	19.824	ug/l #	98
73) Isopropylbenzene	11.11	105	279682	19.846	ug/l	100
74) N-amyl acetate	11.36	43	65802	21.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	47498	20.308	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	36107	20.744	ug/l	94
77) Bromobenzene	11.49	156	56914	18.761	ug/l	81
78) n-propylbenzene	11.59	91	341687	18.563	ug/l	96
79) 2-Chlorotoluene	11.71	91	186862	19.329	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	234650	20.221	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	14704m	19.659	ug/l	
82) 4-Chlorotoluene	11.88	91	199083	19.907	ug/l	95
83) tert-Butylbenzene	12.12	119	239669	20.071	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	229519	19.834	ug/l	94
85) sec-Butylbenzene	12.30	105	329418	21.140	ug/l	99
86) p-Isopropyltoluene	12.45	119	260174	20.115	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	111715	19.258	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	110229	19.788	ug/l	97
89) n-Butylbenzene	12.83	91	282149	18.967	ug/l	93
90) Hexachloroethane	12.91	117	62147	19.447	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	109708	20.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8438	19.660	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77420	20.129	ug/l	95
94) Hexachlorobutadiene	14.18	225	48495	19.797	ug/l	95
95) Naphthalene	14.45	128	136900	19.492	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	69875	19.652	ug/l	99

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

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