

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111218\
 Data File : VF060692.D
 Acq On : 12 Nov 2018 18:34
 Operator : VA/AP
 Sample : VF1112SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 2:11:05 PM

Quant Time: Nov 13 04:39:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	200333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	363459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	349368	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	183633	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	130729	64.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	129.18%	
35) Dibromofluoromethane	4.10	113	150497	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
50) Toluene-d8	7.54	98	407268	48.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.40	95	201974	55.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	79152	36.752	ug/l	97
3) Chloromethane	1.10	50	47247	26.947	ug/l	99
4) Vinyl Chloride	1.14	62	42669	26.410	ug/l #	87
5) Bromomethane	1.33	94	26006	28.676	ug/l #	69
6) Chloroethane	1.37	64	17241	27.633	ug/l	100
7) Trichlorofluoromethane	1.48	101	93592	30.951	ug/l	97
8) Diethyl Ether	1.62	74	11949	21.321	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48565	28.105	ug/l	95
10) Methyl Iodide	1.88	142	71908	25.288	ug/l #	83
11) Tert butyl alcohol	2.56	59	12149	110.837	ug/l #	79
12) 1,1-Dichloroethene	1.78	96	34861	23.954	ug/l	94
13) Acrolein	2.00	56	7248	87.232	ug/l	94
14) Allyl chloride	2.09	41	62424	26.269	ug/l	86
15) Acrylonitrile	2.93	53	23822	98.752	ug/l	92
16) Acetone	2.22	43	69028	144.726	ug/l #	91
17) Carbon Disulfide	1.82	76	102505m	25.004	ug/l	
18) Methyl Acetate	2.33	43	18204	24.815	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	87012	25.576	ug/l	97
20) Methylene Chloride	2.18	84	40148m	25.738	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	38363	25.126	ug/l	97
22) Diisopropyl ether	2.79	45	115081	22.857	ug/l	97
23) Vinyl Acetate	3.17	43	298036	98.521	ug/l	96
24) 1,1-Dichloroethane	2.86	63	75744	25.994	ug/l	98
25) 2-Butanone	4.32	43	100769	92.079	ug/l #	89
26) 2,2-Dichloropropane	3.59	77	58503	26.833	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	62997	21.613	ug/l	92
28) Bromochloromethane	3.70	49	40344	22.062	ug/l	92
29) Tetrahydrofuran	4.05	42	37629	99.989	ug/l	99
30) Chloroform	3.84	83	114500	24.837	ug/l	95
31) Cyclohexane	3.67	56	88099	21.909	ug/l #	91
32) 1,1,1-Trichloroethane	4.08	97	92949	28.868	ug/l	95
36) 1,1-Dichloropropene	4.27	75	83151	20.778	ug/l	99
37) Ethyl Acetate	4.10	43	34535	17.977	ug/l #	83
38) Carbon Tetrachloride	3.97	117	85575	25.025	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.44	83	98241	20.116	ug/l	92
40) Benzene	4.62	78	185222	19.067	ug/l	97
41) Methacrylonitrile	4.73	41	20335	18.692	ug/l #	93
42) 1,2-Dichloroethane	4.93	62	64321	23.070	ug/l	87
43) Isopropyl Acetate	6.94	43	46113	18.977	ug/l #	96
44) Trichloroethene	5.49	130	61737	21.147	ug/l	96
45) 1,2-Dichloropropane	6.23	63	51316	20.655	ug/l	92
46) Dibromomethane	6.07	93	31463	19.962	ug/l	96
47) Bromodichloromethane	6.38	83	85168	22.403	ug/l	94
48) Methyl methacrylate	6.70	41	27419	17.953	ug/l	90
49) 1,4-Dioxane	6.69	88	5175	323.919	ug/l #	80
51) 4-Methyl-2-Pentanone	8.24	43	174693	106.905	ug/l	97
52) Toluene	7.61	92	125560	19.842	ug/l	93
53) t-1,3-Dichloropropene	8.27	75	68491	20.729	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	86259	20.662	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	36316	19.722	ug/l	95
56) Ethyl methacrylate	8.61	69	49984	21.098	ug/l	93
57) 1,3-Dichloropropane	8.84	76	68080	21.071	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.61	63	19056	114.433	ug/l	100
59) 2-Hexanone	9.48	43	148648	124.531	ug/l	97
60) Dibromochloromethane	8.71	129	53882	20.923	ug/l	95
61) 1,2-Dibromoethane	8.97	107	39329	20.310	ug/l	97
64) Tetrachloroethene	8.14	164	51799	18.918	ug/l	96
65) Chlorobenzene	9.79	112	143073	20.025	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	57875	19.171	ug/l	94
67) Ethyl Benzene	9.89	91	258800	19.961	ug/l	99
68) m/p-Xylenes	10.13	106	192917	39.501	ug/l	89
69) o-Xylene	10.71	106	111110	20.835	ug/l	97
70) Styrene	10.78	104	157721	20.415	ug/l #	90
71) Bromoform	10.77	173	30018	19.253	ug/l #	97
73) Isopropylbenzene	11.11	105	329364	22.998	ug/l	93
74) N-amyl acetate	11.37	43	89505	22.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	55505	21.234	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	26275	20.453	ug/l	99
77) Bromobenzene	11.49	156	68460	21.847	ug/l	94
78) n-propylbenzene	11.59	91	393290	23.472	ug/l	99
79) 2-Chlorotoluene	11.71	91	215659	22.537	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	264456	22.403	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	20433m	20.238	ug/l	
82) 4-Chlorotoluene	11.89	91	218756	21.911	ug/l	100
83) tert-Butylbenzene	12.13	119	270454	22.427	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	252871	21.874	ug/l	97
85) sec-Butylbenzene	12.30	105	374124	22.552	ug/l	97
86) p-Isopropyltoluene	12.45	119	310666	22.741	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	133624	21.725	ug/l	93
88) 1,4-Dichlorobenzene	12.56	146	123644	21.194	ug/l	96
89) n-Butylbenzene	12.84	91	323021	21.783	ug/l	92
90) Hexachloroethane	12.91	117	76142	21.917	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	127052	22.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9938	21.883	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	90146	23.060	ug/l	97
94) Hexachlorobutadiene	14.18	225	58547	23.113	ug/l	95
95) Naphthalene	14.45	128	166079	21.226	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	82899	22.449	ug/l	95

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

