

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060975.D
 Acq On : 11 Dec 2018 14:36
 Operator : VA/AP
 Sample : VF1211SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:27:45 PM

Quant Time: Dec 12 06:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191488	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	301164	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	277789	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	142544	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	114508	50.76	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.52%	
35) Dibromofluoromethane	4.12	113	116070	48.58	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.16%	
50) Toluene-d8	7.55	98	325981	46.32	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.41	95	155370	48.57	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	57746	20.169	ug/l	92
3) Chloromethane	1.10	50	37291	20.016	ug/l	92
4) Vinyl Chloride	1.15	62	36799	21.175	ug/l	94
5) Bromomethane	1.33	94	26810	21.878	ug/l	90
6) Chloroethane	1.40	64	19781	26.332	ug/l	96
7) Trichlorofluoromethane	1.50	101	85266m	22.867	ug/l	
8) Diethyl Ether	1.64	74	11298	21.071	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	40982	21.741	ug/l	96
10) Methyl Iodide	1.92	142	66099m	23.069	ug/l	
11) Tert butyl alcohol	2.57	59	9883	106.877	ug/l #	82
12) 1,1-Dichloroethene	1.80	96	34680	22.873	ug/l	90
13) Acrolein	2.00	56	7176	81.906	ug/l	84
14) Allyl chloride	2.09	41	34817	18.423	ug/l	97
15) Acrylonitrile	2.95	53	22204	107.105	ug/l	88
16) Acetone	2.24	43	51807	124.542	ug/l	99
17) Carbon Disulfide	1.83	76	92099m	22.654	ug/l	
18) Methyl Acetate	2.35	43	18833	26.200	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	77123	22.584	ug/l	98
20) Methylene Chloride	2.26	84	39584m	25.939	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	26016	17.798	ug/l	97
22) Diisopropyl ether	2.80	45	118917	23.117	ug/l	97
23) Vinyl Acetate	3.19	43	292638	124.452	ug/l #	96
24) 1,1-Dichloroethane	2.87	63	66560	21.748	ug/l	99
25) 2-Butanone	4.35	43	85183	118.392	ug/l #	90
26) 2,2-Dichloropropane	3.60	77	43263	21.804	ug/l	92
27) cis-1,2-Dichloroethene	3.48	96	54628	22.955	ug/l	94
28) Bromochloromethane	3.72	49	34424	23.436	ug/l	85
29) Tetrahydrofuran	4.08	42	32048	105.080	ug/l	98
30) Chloroform	3.87	83	107963	22.920	ug/l	99
31) Cyclohexane	3.69	56	73085m	23.010	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	55699	17.050	ug/l	93
36) 1,1-Dichloropropene	4.28	75	79434	23.780	ug/l #	94
37) Ethyl Acetate	4.12	43	28854	21.256	ug/l #	78
38) Carbon Tetrachloride	3.99	117	59417	20.139	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	71746	20.495	ug/l	96
40) Benzene	4.63	78	172232	23.339	ug/l	98
41) Methacrylonitrile	4.75	41	16919	21.892	ug/l	95
42) 1,2-Dichloroethane	4.95	62	63382	23.526	ug/l	99
43) Isopropyl Acetate	6.96	43	38568	21.476	ug/l #	96
44) Trichloroethene	5.51	130	59409	24.621	ug/l	95
45) 1,2-Dichloropropane	6.24	63	46915	24.478	ug/l	98
46) Dibromomethane	6.08	93	30381	23.367	ug/l	92
47) Bromodichloromethane	6.39	83	76178	22.060	ug/l	97
48) Methyl methacrylate	6.73	41	27301	22.219	ug/l	96
49) 1,4-Dioxane	6.73	88	4167	463.375	ug/l #	79
51) 4-Methyl-2-Pentanone	8.26	43	143262	114.446	ug/l	99
52) Toluene	7.63	92	113463	21.889	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	63397	22.570	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	79575	22.884	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	33291	22.041	ug/l	96
56) Ethyl methacrylate	8.63	69	39308	23.427	ug/l	89
57) 1,3-Dichloropropane	8.86	76	63754	24.126	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	37195	216.724	ug/l	98
59) 2-Hexanone	9.50	43	106607	121.392	ug/l	99
60) Dibromochloromethane	8.72	129	49757	22.109	ug/l	94
61) 1,2-Dibromoethane	8.98	107	36577	22.417	ug/l	99
64) Tetrachloroethene	8.16	164	49134	23.157	ug/l	97
65) Chlorobenzene	9.80	112	124611	23.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	54266	23.358	ug/l	98
67) Ethyl Benzene	9.90	91	236846	23.542	ug/l	98
68) m/p-Xylenes	10.14	106	165525	45.745	ug/l	96
69) o-Xylene	10.72	106	91150	22.844	ug/l	99
70) Styrene	10.79	104	130448	23.584	ug/l	96
71) Bromoform	10.78	173	24595	21.917	ug/l #	97
73) Isopropylbenzene	11.13	105	268443	23.831	ug/l	97
74) N-amyl acetate	11.37	43	62546	24.045	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	44389	23.943	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	34135	25.331	ug/l	95
77) Bromobenzene	11.50	156	56623	22.928	ug/l	92
78) n-propylbenzene	11.60	91	331575	25.135	ug/l	100
79) 2-Chlorotoluene	11.73	91	187080	24.733	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	231333	25.297	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	16644m	25.209	ug/l	
82) 4-Chlorotoluene	11.90	91	185541	23.309	ug/l	94
83) tert-Butylbenzene	12.13	119	228893	24.572	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	216272	23.697	ug/l	98
85) sec-Butylbenzene	12.31	105	309949	24.306	ug/l	98
86) p-Isopropyltoluene	12.47	119	256208	23.965	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	113218	24.101	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	103437	22.594	ug/l	98
89) n-Butylbenzene	12.84	91	261413	24.182	ug/l	93
90) Hexachloroethane	12.92	117	61017	23.701	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	104344	23.455	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8118	22.649	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	78282	25.184	ug/l	94
94) Hexachlorobutadiene	14.19	225	48232	23.277	ug/l	99
95) Naphthalene	14.46	128	133989	20.118	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	67291	23.315	ug/l	95

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

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