

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060974.D
 Acq On : 11 Dec 2018 14:08
 Operator : VA/AP
 Sample : VF1211SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:27:39 PM

Quant Time: Dec 12 06:41:14 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	185321	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	313769	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	280446	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	143022	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	117909	54.01	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	108.02%	
35) Dibromofluoromethane	4.11	113	130215	52.31	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	104.62%	
50) Toluene-d8	7.55	98	349324	47.64	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.41	95	156072	46.83	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	57588	20.783	ug/l	99
3) Chloromethane	1.10	50	40477	22.449	ug/l	99
4) Vinyl Chloride	1.14	62	38792	23.065	ug/l	96
5) Bromomethane	1.33	94	25892	21.832	ug/l	89
6) Chloroethane	1.40	64	17221	23.687	ug/l	99
7) Trichlorofluoromethane	1.50	101	79063m	21.909	ug/l	
8) Diethyl Ether	1.63	74	11580	22.316	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	40482	22.190	ug/l	85
10) Methyl Iodide	1.92	142	65438m	23.598	ug/l	
11) Tert butyl alcohol	2.58	59	9413	105.182	ug/l #	91
12) 1,1-Dichloroethene	1.80	96	34489	23.504	ug/l	92
13) Acrolein	2.00	56	7009	82.662	ug/l	95
14) Allyl chloride	2.10	41	38694	21.156	ug/l	96
15) Acrylonitrile	2.95	53	22624	112.762	ug/l	96
16) Acetone	2.25	43	45775	113.703	ug/l	93
17) Carbon Disulfide	1.83	76	92158m	23.423	ug/l	
18) Methyl Acetate	2.34	43	15301	21.721	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	71997	21.784	ug/l	98
20) Methylene Chloride	2.27	84	36805m	24.920	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	26796	18.941	ug/l	85
22) Diisopropyl ether	2.80	45	112971	22.692	ug/l	96
23) Vinyl Acetate	3.19	43	283105	124.404	ug/l	96
24) 1,1-Dichloroethane	2.88	63	69087	23.325	ug/l	97
25) 2-Butanone	4.35	43	76378	109.687	ug/l	92
26) 2,2-Dichloropropane	3.60	77	44803	23.332	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	51277	22.264	ug/l	95
28) Bromochloromethane	3.72	49	32903	23.146	ug/l	84
29) Tetrahydrofuran	4.08	42	31282	105.982	ug/l	98
30) Chloroform	3.86	83	103358	22.673	ug/l	99
31) Cyclohexane	3.69	56	73132m	23.791	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	59260	18.744	ug/l	94
36) 1,1-Dichloropropene	4.29	75	75319	21.642	ug/l	95
37) Ethyl Acetate	4.11	43	29241	20.676	ug/l #	83
38) Carbon Tetrachloride	3.99	117	61329	19.952	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	70384	19.298	ug/l	98
40) Benzene	4.63	78	171105	22.255	ug/l	99
41) Methacrylonitrile	4.75	41	16690	20.505	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	61221	21.811	ug/l	95
43) Isopropyl Acetate	6.97	43	35212	18.464	ug/l #	99
44) Trichloroethene	5.50	130	54756	21.781	ug/l	97
45) 1,2-Dichloropropane	6.24	63	42350	21.209	ug/l	94
46) Dibromomethane	6.09	93	28142	20.776	ug/l	98
47) Bromodichloromethane	6.39	83	74061	20.585	ug/l	96
48) Methyl methacrylate	6.71	41	23930	18.693	ug/l	90
49) 1,4-Dioxane	6.71	88	4405	470.162	ug/l #	82
51) 4-Methyl-2-Pentanone	8.26	43	129523	99.314	ug/l	95
52) Toluene	7.62	92	107334	19.875	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	57505	19.650	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	76478	21.110	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	31591	20.075	ug/l	92
56) Ethyl methacrylate	8.63	69	32056	18.337	ug/l	95
57) 1,3-Dichloropropane	8.85	76	54263	19.709	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	29950	167.499	ug/l	97
59) 2-Hexanone	9.50	43	93753	102.466	ug/l	98
60) Dibromochloromethane	8.72	129	45384	19.356	ug/l	92
61) 1,2-Dibromoethane	8.99	107	33865	19.921	ug/l	92
64) Tetrachloroethene	8.15	164	46246	21.590	ug/l	91
65) Chlorobenzene	9.80	112	121629	22.294	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	50147	21.381	ug/l	97
67) Ethyl Benzene	9.90	91	229633	22.608	ug/l	98
68) m/p-Xylenes	10.14	106	160318	43.886	ug/l	97
69) o-Xylene	10.72	106	88176	21.889	ug/l	87
70) Styrene	10.79	104	119684	21.433	ug/l	99
71) Bromoform	10.78	173	20984	18.522	ug/l #	94
73) Isopropylbenzene	11.12	105	272507	24.111	ug/l	97
74) N-amyl acetate	11.38	43	54313	20.810	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	40753	21.909	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	30155	22.303	ug/l	94
77) Bromobenzene	11.50	156	53275	21.500	ug/l	78
78) n-propylbenzene	11.60	91	311606	23.542	ug/l	100
79) 2-Chlorotoluene	11.72	91	185276	24.413	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	225573	24.584	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	13768m	20.783	ug/l	
82) 4-Chlorotoluene	11.90	91	181000	22.662	ug/l	96
83) tert-Butylbenzene	12.13	119	228787	24.479	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	213682	23.335	ug/l	95
85) sec-Butylbenzene	12.31	105	301948	23.600	ug/l	98
86) p-Isopropyltoluene	12.46	119	263545	24.569	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	108052	22.925	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	99418	21.644	ug/l	95
89) n-Butylbenzene	12.85	91	257589	23.748	ug/l	99
90) Hexachloroethane	12.92	117	60289	23.340	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	99924	22.387	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	6597	18.344	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	69597	22.316	ug/l	98
94) Hexachlorobutadiene	14.19	225	46237	22.240	ug/l	98
95) Naphthalene	14.46	128	115974	16.838	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	60331	20.834	ug/l	98

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

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