

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061707.D
 Acq On : 22 Feb 2019 14:20
 Operator : VA/AP
 Sample : VF0222SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 5:40:54 PM

Quant Time: Feb 23 02:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	348335	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	508048	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	445368	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	246252	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	148840	58.27	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	116.54%	
35) Dibromofluoromethane	4.09	113	210772	55.87	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	111.74%	
50) Toluene-d8	7.53	98	587968	54.21	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	11.40	95	233027	53.10	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	95836	23.957	ug/l	97
3) Chloromethane	1.09	50	91565	21.816	ug/l	96
4) Vinyl Chloride	1.13	62	83442	21.386	ug/l	96
5) Bromomethane	1.32	94	55901	20.817	ug/l	82
6) Chloroethane	1.39	64	40749	21.192	ug/l	93
7) Trichlorofluoromethane	1.48	101	102721m	21.827	ug/l	
8) Diethyl Ether	1.62	74	24360	20.540	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	70291	20.705	ug/l	93
10) Methyl Iodide	1.91	142	136023m	20.975	ug/l	
11) Tert butyl alcohol	2.56	59	15270	103.293	ug/l	99
12) 1,1-Dichloroethene	1.79	96	63200	21.173	ug/l	88
13) Acrolein	2.00	56	18741	100.867	ug/l	92
14) Allyl chloride	2.09	41	68945	18.823	ug/l	98
15) Acrylonitrile	2.94	53	48553	92.594	ug/l	99
16) Acetone	2.24	43	60875	111.074	ug/l	95
17) Carbon Disulfide	1.82	76	199845m	21.300	ug/l	
18) Methyl Acetate	2.33	43	27795	22.513	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	115998	22.739	ug/l	99
20) Methylene Chloride	2.25	84	73555m	23.721	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	54684	16.853	ug/l	97
22) Diisopropyl ether	2.79	45	194020	22.067	ug/l	93
23) Vinyl Acetate	3.17	43	449853	104.754	ug/l	98
24) 1,1-Dichloroethane	2.86	63	112450	21.134	ug/l	99
25) 2-Butanone	4.32	43	120481	100.641	ug/l	93
26) 2,2-Dichloropropane	3.58	77	52731	23.397	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	91891	21.576	ug/l	99
28) Bromochloromethane	3.69	49	53734	21.048	ug/l	98
29) Tetrahydrofuran	4.06	42	62037	114.016	ug/l	97
30) Chloroform	3.84	83	135080	22.324	ug/l	100
31) Cyclohexane	3.67	56	126175m	21.905	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	74742	18.857	ug/l	95
36) 1,1-Dichloropropene	4.26	75	108730	21.604	ug/l	95
37) Ethyl Acetate	4.09	43	51208	21.906	ug/l #	89
38) Carbon Tetrachloride	3.96	117	76678	22.064	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	132675	22.290	ug/l	99
40) Benzene	4.61	78	295367	22.437	ug/l	99
41) Methacrylonitrile	4.73	41	25217	21.094	ug/l	95
42) 1,2-Dichloroethane	4.92	62	72274	22.952	ug/l	94
43) Isopropyl Acetate	6.94	43	57159	20.657	ug/l	98
44) Trichloroethene	5.48	130	95846	22.515	ug/l	99
45) 1,2-Dichloropropane	6.22	63	68346	21.479	ug/l	99
46) Dibromomethane	6.06	93	39043	19.928	ug/l	89
47) Bromodichloromethane	6.37	83	90098	21.000	ug/l	98
48) Methyl methacrylate	6.70	41	31682	19.026	ug/l	96
49) 1,4-Dioxane	6.69	88	5447	347.976	ug/l #	84
51) 4-Methyl-2-Pentanone	8.24	43	202430	102.386	ug/l	96
52) Toluene	7.61	92	168356	21.087	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	77355	21.664	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	104374	21.945	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	47535	20.264	ug/l	95
56) Ethyl methacrylate	8.61	69	53702	20.563	ug/l	94
57) 1,3-Dichloropropane	8.83	76	81007	20.690	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	43226	95.929	ug/l	91
59) 2-Hexanone	9.47	43	145311	104.849	ug/l	98
60) Dibromochloromethane	8.69	129	67217	20.587	ug/l	98
61) 1,2-Dibromoethane	8.97	107	51632	20.293	ug/l	98
64) Tetrachloroethene	8.13	164	82156	22.568	ug/l	97
65) Chlorobenzene	9.78	112	190671	21.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	77520	21.890	ug/l	96
67) Ethyl Benzene	9.88	91	324735	21.607	ug/l	98
68) m/p-Xylenes	10.11	106	247752	43.073	ug/l	97
69) o-Xylene	10.70	106	129849	21.156	ug/l	91
70) Styrene	10.77	104	178168	20.520	ug/l	98
71) Bromoform	10.75	173	37590	19.547	ug/l	96
73) Isopropylbenzene	11.11	105	389518	22.217	ug/l	98
74) N-amyl acetate	11.36	43	91433	21.727	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	63246	20.135	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	43625	20.428	ug/l	95
77) Bromobenzene	11.48	156	94948	21.921	ug/l	95
78) n-propylbenzene	11.58	91	432562	21.500	ug/l	98
79) 2-Chlorotoluene	11.70	91	247442	21.960	ug/l	93
80) 1,3,5-Trimethylbenzene	11.81	105	309757	22.105	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	18535m	18.104	ug/l	
82) 4-Chlorotoluene	11.89	91	245664	21.005	ug/l	99
83) tert-Butylbenzene	12.12	119	349019	22.487	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	309457	22.229	ug/l	99
85) sec-Butylbenzene	12.29	105	442558	22.050	ug/l	98
86) p-Isopropyltoluene	12.45	119	372194	22.096	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	179886	21.303	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	174284	21.461	ug/l	99
89) n-Butylbenzene	12.84	91	363857	22.876	ug/l	95
90) Hexachloroethane	12.90	117	85660	21.866	ug/l	95
91) 1,2-Dichlorobenzene	12.92	146	166041	20.673	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	10195	20.472	ug/l #	57

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	128708	22.357	ug/l	99
94) Hexachlorobutadiene	14.18	225	82033	23.073	ug/l	97
95) Naphthalene	14.44	128	208946	20.744	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	114911	21.747	ug/l	95

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

