

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061517.D
 Acq On : 25 Jan 2019 13:13
 Operator : VA/AP
 Sample : VF01251SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:48:07 PM

Quant Time: Jan 28 00:39:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	179949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	334454	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	308499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	111659	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
35) Dibromofluoromethane	4.12	113	127055	48.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	7.55	98	332727	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.41	95	158116	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	67435	19.072	ug/l	85
3) Chloromethane	1.09	50	54479	21.014	ug/l	95
4) Vinyl Chloride	1.13	62	48098	20.856	ug/l	93
5) Bromomethane	1.34	94	30329	20.168	ug/l	100
6) Chloroethane	1.38	64	20574	20.133	ug/l	98
7) Trichlorofluoromethane	1.48	101	82389	18.377	ug/l	97
8) Diethyl Ether	1.63	74	11444	19.921	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43829	20.346	ug/l	92
10) Methyl Iodide	1.90	142	67003m	20.063	ug/l	
11) Tert butyl alcohol	2.57	59	10240	108.889	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	33240	20.769	ug/l	86
13) Acrolein	2.01	56	6556	87.927	ug/l	92
14) Allyl chloride	2.10	41	48636	26.335	ug/l	89
15) Acrylonitrile	2.95	53	25468	105.727	ug/l	88
16) Acetone	2.24	43	55863	125.338	ug/l	99
17) Carbon Disulfide	1.82	76	99085m	19.855	ug/l	
18) Methyl Acetate	2.34	43	20147	22.794	ug/l #	91
19) Methyl tert-butyl Ether	2.43	73	68636	19.130	ug/l	94
20) Methylene Chloride	2.25	84	41947m	26.914	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	35991	20.439	ug/l	92
22) Diisopropyl ether	2.80	45	119619	21.002	ug/l	97
23) Vinyl Acetate	3.19	43	290134	117.529	ug/l	97
24) 1,1-Dichloroethane	2.87	63	71189	19.915	ug/l	97
25) 2-Butanone	4.34	43	90580	122.211	ug/l	99
26) 2,2-Dichloropropane	3.60	77	43373	19.749	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	56029	21.555	ug/l	98
28) Bromochloromethane	3.72	49	35924	22.357	ug/l #	98
29) Tetrahydrofuran	4.08	42	36370	113.960	ug/l	97
30) Chloroform	3.86	83	104066	21.572	ug/l	100
31) Cyclohexane	3.69	56	78650m	22.026	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	71904	20.327	ug/l	96
36) 1,1-Dichloropropene	4.28	75	74436	19.195	ug/l	96
37) Ethyl Acetate	4.11	43	34622	22.335	ug/l	85
38) Carbon Tetrachloride	3.99	117	61985	18.284	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	79554	18.930	ug/l	98
40) Benzene	4.63	78	179220	20.770	ug/l	100
41) Methacrylonitrile	4.74	41	17546	21.273	ug/l	91
42) 1,2-Dichloroethane	4.95	62	61995	20.162	ug/l	98
43) Isopropyl Acetate	6.96	43	40024	20.573	ug/l #	90
44) Trichloroethene	5.51	130	56441	21.322	ug/l	92
45) 1,2-Dichloropropane	6.24	63	44721	19.747	ug/l	98
46) Dibromomethane	6.08	93	29359	19.496	ug/l	96
47) Bromodichloromethane	6.39	83	76917	20.644	ug/l	99
48) Methyl methacrylate	6.71	41	27240	20.851	ug/l	95
49) 1,4-Dioxane	6.71	88	4265	427.994	ug/l	92
51) 4-Methyl-2-Pentanone	8.26	43	152078	106.331	ug/l	98
52) Toluene	7.62	92	114179	20.093	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	61519	20.794	ug/l	95
54) cis-1,3-Dichloropropene	7.31	75	74717	20.204	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	33923	21.023	ug/l	93
56) Ethyl methacrylate	8.62	69	39941	21.275	ug/l	95
57) 1,3-Dichloropropane	8.86	76	59871	19.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	33619	179.494	ug/l	99
59) 2-Hexanone	9.50	43	122713	123.042	ug/l	98
60) Dibromochloromethane	8.72	129	45564	19.315	ug/l	96
61) 1,2-Dibromoethane	8.99	107	35730	19.342	ug/l	94
64) Tetrachloroethene	8.16	164	42346	18.253	ug/l	92
65) Chlorobenzene	9.80	112	128502	20.483	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	50348	20.146	ug/l	96
67) Ethyl Benzene	9.90	91	235831	20.575	ug/l	100
68) m/p-Xylenes	10.14	106	166180	40.310	ug/l	98
69) o-Xylene	10.71	106	84788	18.976	ug/l	98
70) Styrene	10.79	104	127414	20.833	ug/l	95
71) Bromoform	10.78	173	23348	20.793	ug/l #	97
73) Isopropylbenzene	11.12	105	261092	21.054	ug/l	100
74) N-amyl acetate	11.37	43	70780	24.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	47341	21.429	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	33185	20.905	ug/l	95
77) Bromobenzene	11.50	156	54521	20.817	ug/l	93
78) n-propylbenzene	11.60	91	317136	19.612	ug/l	100
79) 2-Chlorotoluene	11.72	91	180786	21.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	209329	20.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	16995m	24.628	ug/l	
82) 4-Chlorotoluene	11.90	91	182373	21.004	ug/l	96
83) tert-Butylbenzene	12.13	119	224473	21.670	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	210839	20.452	ug/l	95
85) sec-Butylbenzene	12.31	105	298400	21.213	ug/l	94
86) p-Isopropyltoluene	12.47	119	251945	21.818	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	110739	20.127	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	101851	20.580	ug/l	99
89) n-Butylbenzene	12.85	91	268418	22.539	ug/l	97
90) Hexachloroethane	12.92	117	60454	22.209	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	104255	21.279	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8083	20.628	ug/l	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	68552	19.974	ug/l	97
94) Hexachlorobutadiene	14.19	225	42068	19.753	ug/l	96
95) Naphthalene	14.46	128	131222	20.124	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	62480	19.666	ug/l	97

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

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