

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062923.D
 Acq On : 12 Jun 2019 13:13
 Operator : FY/SY
 Sample : VF0612SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:33:02 AM

Quant Time: Jun 13 08:47:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	785750	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	1249971	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	959601	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	429020	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	270210	49.73	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.46%	
35) Dibromofluoromethane	4.30	113	504118	53.37	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	106.74%	
50) Toluene-d8	7.70	98	1312473	54.95	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.90%	
62) 4-Bromofluorobenzene	11.49	95	416905	48.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	199287	19.815	ug/l	100
3) Chloromethane	1.14	50	148252	18.235	ug/l	95
4) Vinyl Chloride	1.19	62	153065	18.945	ug/l	94
5) Bromomethane	1.41	94	87959	19.090	ug/l	98
6) Chloroethane	1.44	64	55881	18.499	ug/l	90
7) Trichlorofluoromethane	1.55	101	236489m	20.677	ug/l	
8) Diethyl Ether	1.71	74	39971	17.763	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.93	101	136747	19.017	ug/l	93
10) Methyl Iodide	1.99	142	269371m	18.683	ug/l	
11) Tert butyl alcohol	2.71	59	29860	90.717	ug/l #	89
12) 1,1-Dichloroethene	1.88	96	121220	18.565	ug/l	97
13) Acrolein	2.10	56	12074	86.468	ug/l #	66
14) Allyl chloride	2.19	41	90488	17.863	ug/l	96
15) Acrylonitrile	3.10	53	112613	91.049	ug/l	94
16) Acetone	2.34	43	113979	91.652	ug/l	97
17) Carbon Disulfide	1.92	76	346396m	18.151	ug/l	
18) Methyl Acetate	2.46	43	41201	18.959	ug/l #	82
19) Methyl tert-butyl Ether	2.55	73	226659	19.160	ug/l	97
20) Methylene Chloride	2.34	84	133127m	19.559	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	125575	19.181	ug/l	93
22) Diisopropyl ether	2.93	45	273926	19.033	ug/l	93
23) Vinyl Acetate	3.35	43	929728	94.361	ug/l	99
24) 1,1-Dichloroethane	3.01	63	202387	18.834	ug/l	100
25) 2-Butanone	4.52	43	279582	96.538	ug/l	99
26) 2,2-Dichloropropane	3.76	77	127188	20.846	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	217661	19.778	ug/l	97
28) Bromochloromethane	3.90	49	110221	18.857	ug/l	87
29) Tetrahydrofuran	4.26	42	116853	105.494	ug/l	98
30) Chloroform	4.05	83	306088	20.211	ug/l	99
31) Cyclohexane	3.87	56	275155m	18.913	ug/l	
32) 1,1,1-Trichloroethane	4.28	97	189061	21.441	ug/l	90
36) 1,1-Dichloropropene	4.47	75	232770	20.228	ug/l	95
37) Ethyl Acetate	4.30	43	100473	22.841	ug/l #	92
38) Carbon Tetrachloride	4.19	117	166779	21.445	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	281398	19.648	ug/l	95
40) Benzene	4.82	78	683680	20.414	ug/l	100
41) Methacrylonitrile	4.93	41	49871	20.394	ug/l	92
42) 1,2-Dichloroethane	5.12	62	135143	21.217	ug/l	99
43) Isopropyl Acetate	7.10	43	126172	21.713	ug/l #	90
44) Trichloroethene	5.68	130	193974	20.523	ug/l	97
45) 1,2-Dichloropropane	6.41	63	160338	19.078	ug/l	93
46) Dibromomethane	6.26	93	105338	21.468	ug/l	93
47) Bromodichloromethane	6.54	83	209495	20.964	ug/l	93
48) Methyl methacrylate	6.88	41	56191	18.764	ug/l	93
49) 1,4-Dioxane	6.88	88	17110	433.457	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	443022	106.789	ug/l	99
52) Toluene	7.77	92	407011	22.564	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	188008	22.705	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	276393	23.059	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	118657	22.019	ug/l	94
56) Ethyl methacrylate	8.75	69	112748	19.500	ug/l	95
57) 1,3-Dichloropropane	8.99	76	179391	20.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	257018	127.188	ug/l	97
59) 2-Hexanone	9.62	43	346877	117.308	ug/l	90
60) Dibromochloromethane	8.86	129	135318	20.282	ug/l	100
61) 1,2-Dibromoethane	9.12	107	99061	17.700	ug/l	95
64) Tetrachloroethene	8.31	164	122425	16.602	ug/l #	88
65) Chlorobenzene	9.92	112	377252	20.357	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	142598	19.322	ug/l	93
67) Ethyl Benzene	10.02	91	629247	19.787	ug/l	96
68) m/p-Xylenes	10.26	106	461558	37.929	ug/l	84
69) o-Xylene	10.81	106	234351	19.021	ug/l	94
70) Styrene	10.89	104	322372	17.752	ug/l	97
71) Bromoform	10.87	173	75406	21.298	ug/l #	92
73) Isopropylbenzene	11.20	105	722221	24.126	ug/l	92
74) N-amyl acetate	11.44	43	201736	23.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	140750	22.017	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	98746	23.303	ug/l	89
77) Bromobenzene	11.58	156	155024	20.611	ug/l	94
78) n-propylbenzene	11.67	91	813465	22.506	ug/l	91
79) 2-Chlorotoluene	11.80	91	446424	21.585	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	549227	22.435	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	39554m	22.048	ug/l	
82) 4-Chlorotoluene	11.96	91	445245	21.906	ug/l	93
83) tert-Butylbenzene	12.19	119	549086	22.636	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	522973	22.531	ug/l	89
85) sec-Butylbenzene	12.37	105	700049	21.901	ug/l	98
86) p-Isopropyltoluene	12.51	119	604633	22.726	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	282129	21.269	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	257350	20.788	ug/l	95
89) n-Butylbenzene	12.89	91	651485	24.343	ug/l	87
90) Hexachloroethane	12.97	117	153847	23.709	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	245771	21.079	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17319	24.867	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	168654	21.068	ug/l	98
94) Hexachlorobutadiene	14.22	225	115613	20.876	ug/l	99
95) Naphthalene	14.49	128	284669	21.705	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	155927	21.338	ug/l	97

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

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