

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061544.D
 Acq On : 7 Feb 2019 14:49
 Operator : VA/AP
 Sample : VF0207SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:35:51 PM

Quant Time: Feb 09 04:46:43 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	4.86	168	185127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	313657	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	267412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	149812	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112003	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	4.11	113	118439	47.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.70%	
50) Toluene-d8	7.54	98	319475	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.41	95	147963	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	55269	15.194	ug/l	87
3) Chloromethane	1.09	50	43207	16.200	ug/l	95
4) Vinyl Chloride	1.13	62	40588	17.107	ug/l	99
5) Bromomethane	1.32	94	25954	16.776	ug/l	89
6) Chloroethane	1.40	64	19051	18.122	ug/l	100
7) Trichlorofluoromethane	1.47	101	76568	16.601	ug/l	92
8) Diethyl Ether	1.62	74	9993	16.909	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.83	101	38703	17.464	ug/l	91
10) Methyl Iodide	1.91	142	59664m	17.366	ug/l	
11) Tert butyl alcohol	2.58	59	9125	94.319	ug/l #	83
12) 1,1-Dichloroethene	1.79	96	28233	17.147	ug/l	96
13) Acrolein	2.00	56	4535	62.508	ug/l	92
14) Allyl chloride	2.10	41	43843	21.150	ug/l	88
15) Acrylonitrile	2.93	53	21632	87.290	ug/l	94
16) Acetone	2.23	43	54930	119.797	ug/l	97
17) Carbon Disulfide	1.81	76	83804	16.324	ug/l	97
18) Methyl Acetate	2.34	43	15645	17.205	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	64255	17.408	ug/l #	91
20) Methylene Chloride	2.17	84	32110m	19.560	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	29930	16.522	ug/l	95
22) Diisopropyl ether	2.80	45	106831	18.232	ug/l	99
23) Vinyl Acetate	3.18	43	240341	95.258	ug/l	99
24) 1,1-Dichloroethane	2.87	63	61223	16.648	ug/l	98
25) 2-Butanone	4.33	43	76554	100.398	ug/l	99
26) 2,2-Dichloropropane	3.60	77	42116	18.640	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	47747	17.855	ug/l	96
28) Bromochloromethane	3.71	49	33758	20.422	ug/l	86
29) Tetrahydrofuran	4.07	42	30179	91.917	ug/l	99
30) Chloroform	3.85	83	89282	17.989	ug/l	95
31) Cyclohexane	3.67	56	67914m	18.488	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	58467	16.066	ug/l	96
36) 1,1-Dichloropropene	4.28	75	64295	17.680	ug/l	98
37) Ethyl Acetate	4.11	43	26924	18.521	ug/l #	68
38) Carbon Tetrachloride	3.98	117	56058	17.632	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	65565	16.636	ug/l	91
40) Benzene	4.62	78	150520	18.600	ug/l	99
41) Methacrylonitrile	4.74	41	13582	17.559	ug/l #	92
42) 1,2-Dichloroethane	4.93	62	53469	18.542	ug/l	100
43) Isopropyl Acetate	6.95	43	30917	16.945	ug/l #	90
44) Trichloroethene	5.50	130	46020	18.538	ug/l	89
45) 1,2-Dichloropropane	6.23	63	39590	18.641	ug/l	100
46) Dibromomethane	6.07	93	24586	17.409	ug/l	88
47) Bromodichloromethane	6.38	83	62820	17.979	ug/l	99
48) Methyl methacrylate	6.71	41	19664	16.050	ug/l	93
49) 1,4-Dioxane	6.70	88	3359	347.477	ug/l #	85
51) 4-Methyl-2-Pentanone	8.25	43	123708	92.230	ug/l	93
52) Toluene	7.62	92	94279	17.692	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	50262	18.115	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	66406	19.148	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	28703	18.967	ug/l	97
56) Ethyl methacrylate	8.62	69	31790	18.056	ug/l	97
57) 1,3-Dichloropropane	8.84	76	48460	17.085	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	22621	136.557	ug/l	97
59) 2-Hexanone	9.48	43	100008	106.925	ug/l	96
60) Dibromochloromethane	8.70	129	40345	18.236	ug/l	98
61) 1,2-Dibromoethane	8.98	107	29509	17.034	ug/l	98
64) Tetrachloroethene	8.14	164	39142	19.464	ug/l	93
65) Chlorobenzene	9.79	112	102490	18.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	45693	21.092	ug/l	98
67) Ethyl Benzene	9.89	91	196675	19.795	ug/l	96
68) m/p-Xylenes	10.13	106	140858	39.418	ug/l	98
69) o-Xylene	10.71	106	78127	20.172	ug/l	96
70) Styrene	10.79	104	107927	20.358	ug/l	98
71) Bromoform	10.77	173	22581	23.199	ug/l	95
73) Isopropylbenzene	11.12	105	224256	18.405	ug/l	100
74) N-amyl acetate	11.37	43	60370	20.953	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	42160	19.423	ug/l	92
76) 1,2,3-Trichloropropane	11.79	75	28743	18.429	ug/l	99
77) Bromobenzene	11.49	156	48219	18.739	ug/l	90
78) n-propylbenzene	11.59	91	278535	17.467	ug/l	96
79) 2-Chlorotoluene	11.71	91	151728	17.947	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	192268	19.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	12129m	17.889	ug/l	
82) 4-Chlorotoluene	11.89	91	156581	18.354	ug/l	99
83) tert-Butylbenzene	12.13	119	200834	19.733	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	181143	17.884	ug/l	94
85) sec-Butylbenzene	12.30	105	261297	18.906	ug/l	97
86) p-Isopropyltoluene	12.45	119	221145	19.491	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	95194	17.564	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	94807	19.497	ug/l	96
89) n-Butylbenzene	12.84	91	231629	19.796	ug/l	95
90) Hexachloroethane	12.91	117	55834	20.877	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	89327	18.557	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6816	17.704	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	65535	19.434	ug/l	96
94) Hexachlorobutadiene	14.18	225	40333	19.275	ug/l	97
95) Naphthalene	14.46	128	109044	17.020	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	56262	18.023	ug/l	98

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

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