

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\
 Data File : VF061562.D
 Acq On : 8 Feb 2019 17:19
 Operator : VA/AP
 Sample : VF0208SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0208SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 2:32:07 AM

Quant Time: Feb 09 04:45:07 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	171947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	274080	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	266759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	137081	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	106487	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
35) Dibromofluoromethane	4.11	113	116583	53.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.82%	
50) Toluene-d8	7.55	98	306392	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.41	95	153107	55.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	58820	17.410	ug/l	88
3) Chloromethane	1.08	50	43718	17.648	ug/l	96
4) Vinyl Chloride	1.13	62	40733	18.484	ug/l	99
5) Bromomethane	1.33	94	28326	19.712	ug/l	94
6) Chloroethane	1.37	64	19897	20.377	ug/l	100
7) Trichlorofluoromethane	1.47	101	81942	19.128	ug/l	95
8) Diethyl Ether	1.63	74	11204	20.411	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.81	101	39396	19.139	ug/l	94
10) Methyl Iodide	1.89	142	58755	18.412	ug/l	94
11) Tert butyl alcohol	2.57	59	8052	89.607	ug/l	93
12) 1,1-Dichloroethene	1.78	96	29905	19.555	ug/l	86
13) Acrolein	2.00	56	3839m	57.886	ug/l	
14) Allyl chloride	2.10	41	53137	31.721	ug/l	98
15) Acrylonitrile	2.94	53	23431	101.797	ug/l	97
16) Acetone	2.24	43	49533	116.307	ug/l	97
17) Carbon Disulfide	1.82	76	83375	17.485	ug/l	99
18) Methyl Acetate	2.35	43	16134	19.103	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	63359	18.481	ug/l	96
20) Methylene Chloride	2.18	84	32982m	21.824	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	30553	18.158	ug/l	90
22) Diisopropyl ether	2.80	45	103354	18.991	ug/l	99
23) Vinyl Acetate	3.18	43	236406	100.691	ug/l	98
24) 1,1-Dichloroethane	2.87	63	61173	17.909	ug/l	98
25) 2-Butanone	4.34	43	73636	103.973	ug/l	97
26) 2,2-Dichloropropane	3.60	77	41176	19.621	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	46846	18.861	ug/l	98
28) Bromochloromethane	3.72	49	30248	19.701	ug/l	87
29) Tetrahydrofuran	4.07	42	27859	91.355	ug/l	98
30) Chloroform	3.85	83	88864	19.278	ug/l	97
31) Cyclohexane	3.70	56	61678	18.077	ug/l	91
32) 1,1,1-Trichloroethane	4.09	97	68379	20.231	ug/l	96
36) 1,1-Dichloropropene	4.28	75	67036	21.095	ug/l	94
37) Ethyl Acetate	4.12	43	26053	20.510	ug/l #	73
38) Carbon Tetrachloride	3.99	117	62950	22.659	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	69975	20.319	ug/l	97
40) Benzene	4.63	78	143789	20.334	ug/l	97
41) Methacrylonitrile	4.74	41	16717	24.732	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	55909	22.188	ug/l	99
43) Isopropyl Acetate	6.96	43	32107	20.139	ug/l #	98
44) Trichloroethene	5.50	130	46575	21.471	ug/l	93
45) 1,2-Dichloropropane	6.23	63	37124	20.004	ug/l	100
46) Dibromomethane	6.08	93	25495	20.660	ug/l	91
47) Bromodichloromethane	6.38	83	66079	21.642	ug/l	99
48) Methyl methacrylate	6.72	41	21555	20.134	ug/l	95
49) 1,4-Dioxane	6.71	88	3048	363.703	ug/l #	86
51) 4-Methyl-2-Pentanone	8.25	43	126711	108.110	ug/l	99
52) Toluene	7.62	92	92592	19.884	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	53117	21.909	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	63234	20.866	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	27601	20.873	ug/l	96
56) Ethyl methacrylate	8.62	69	31887	20.727	ug/l	94
57) 1,3-Dichloropropane	8.86	76	51922	20.948	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.30	63	21558	146.439	ug/l	99
59) 2-Hexanone	9.50	43	101240	123.872	ug/l	100
60) Dibromochloromethane	8.71	129	41777	21.610	ug/l	95
61) 1,2-Dibromoethane	8.98	107	29873	19.734	ug/l	96
64) Tetrachloroethene	8.16	164	38077	18.981	ug/l	97
65) Chlorobenzene	9.79	112	109534	20.192	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	45022	20.834	ug/l	99
67) Ethyl Benzene	9.90	91	201793	20.360	ug/l	99
68) m/p-Xylenes	10.13	106	144214	40.456	ug/l	96
69) o-Xylene	10.71	106	80036	20.716	ug/l	98
70) Styrene	10.79	104	110105	20.819	ug/l	98
71) Bromoform	10.77	173	20527	21.141	ug/l #	95
73) Isopropylbenzene	11.12	105	241556	21.666	ug/l	98
74) N-amyl acetate	11.37	43	58376	22.143	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	39458	19.866	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	29103	20.392	ug/l	100
77) Bromobenzene	11.49	156	49715	21.114	ug/l	83
78) n-propylbenzene	11.59	91	283901	19.526	ug/l	93
79) 2-Chlorotoluene	11.72	91	158809	20.530	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	186777	20.759	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	12059m	19.437	ug/l	
82) 4-Chlorotoluene	11.89	91	165648	21.221	ug/l	97
83) tert-Butylbenzene	12.13	119	198870	21.355	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	193211	20.847	ug/l	94
85) sec-Butylbenzene	12.31	105	267157	21.125	ug/l	97
86) p-Isopropyltoluene	12.46	119	220830	21.271	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	92497	18.670	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	92873	20.873	ug/l	98
89) n-Butylbenzene	12.84	91	228810	21.371	ug/l	95
90) Hexachloroethane	12.92	117	50804	20.760	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	92066	20.902	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6806	19.320	ug/l	63

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93) 1,2,4-Trichlorobenzene	14.20	180	61883	20.056	ug/l	97
94) Hexachlorobutadiene	14.19	225	38412	20.062	ug/l	99
95) Naphthalene	14.46	128	110870	18.912	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	55661	19.487	ug/l	98

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

