

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061406.D
 Acq On : 15 Jan 2019 14:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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Quant Time: Jan 16 03:52:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	190888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	332153	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	299345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	164161	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	46402	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	
35) Dibromofluoromethane	4.10	113	52629	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
50) Toluene-d8	7.54	98	141640	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
62) 4-Bromofluorobenzene	11.41	95	65064	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	69917	18.482	ug/l	89
3) Chloromethane	1.10	50	51240	17.867	ug/l	100
4) Vinyl Chloride	1.13	62	46567	18.434	ug/l	98
5) Bromomethane	1.32	94	29544	17.080	ug/l	82
6) Chloroethane	1.39	64	20081	17.596	ug/l	93
7) Trichlorofluoromethane	1.47	101	89327m	17.760	ug/l	
8) Diethyl Ether	1.62	74	11252	17.842	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43306	18.427	ug/l	93
10) Methyl Iodide	1.90	142	62114m	17.058	ug/l	
11) Tert butyl alcohol	2.57	59	10156	100.282	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	31787	18.206	ug/l	97
13) Acrolein	2.00	56	5347	56.760	ug/l	86
14) Allyl chloride	2.10	41	56851	18.102	ug/l	99
15) Acrylonitrile	2.93	53	25784	97.667	ug/l	95
16) Acetone	2.23	43	48015	95.495	ug/l	97
17) Carbon Disulfide	1.80	76	94954	17.435	ug/l	96
18) Methyl Acetate	2.34	43	18429m	15.534	ug/l	
19) Methyl tert-butyl Ether	2.43	73	70203	18.041	ug/l	96
20) Methylene Chloride	2.18	84	32072m	16.219	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	36825	18.985	ug/l	95
22) Diisopropyl ether	2.80	45	116564	19.083	ug/l	98
23) Vinyl Acetate	3.18	43	237642	102.258	ug/l	99
24) 1,1-Dichloroethane	2.87	63	74907	19.258	ug/l	98
25) 2-Butanone	4.33	43	85574	106.854	ug/l	94
26) 2,2-Dichloropropane	3.60	77	46621	18.606	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	54734	19.533	ug/l	95
28) Bromochloromethane	3.71	49	35336	19.515	ug/l #	99
29) Tetrahydrofuran	4.07	42	34395	97.617	ug/l	99
30) Chloroform	3.85	83	103932	19.799	ug/l	97
31) Cyclohexane	3.67	56	73969	18.636	ug/l	88
32) 1,1,1-Trichloroethane	4.09	97	79400	19.891	ug/l	98
36) 1,1-Dichloropropene	4.28	75	78834	20.014	ug/l	97
37) Ethyl Acetate	4.11	43	32514	20.330	ug/l #	80
38) Carbon Tetrachloride	3.98	117	65114	15.259	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	85373	19.632	ug/l	98
40) Benzene	4.62	78	166024	18.587	ug/l	98
41) Methacrylonitrile	4.74	41	16347	19.405	ug/l #	90
42) 1,2-Dichloroethane	4.94	62	62577	20.213	ug/l	99
43) Isopropyl Acetate	6.95	43	38376	20.068	ug/l #	94
44) Trichloroethene	5.49	130	52374	19.086	ug/l	89
45) 1,2-Dichloropropane	6.23	63	46056	20.114	ug/l	95
46) Dibromomethane	6.07	93	28851	19.219	ug/l #	86
47) Bromodichloromethane	6.38	83	73496	20.009	ug/l	98
48) Methyl methacrylate	6.70	41	25340	19.627	ug/l	97
49) 1,4-Dioxane	6.69	88	4239	439.589	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	146721	97.968	ug/l	96
52) Toluene	7.62	92	115428	19.460	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	59755	20.165	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	76034	20.400	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	34082	21.142	ug/l	98
56) Ethyl methacrylate	8.61	69	36237	19.615	ug/l	97
57) 1,3-Dichloropropane	8.84	76	59599	19.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	10470	83.773	ug/l	97
59) 2-Hexanone	9.48	43	106267	101.938	ug/l	93
60) Dibromochloromethane	8.71	129	48845	21.318	ug/l	92
61) 1,2-Dibromoethane	8.98	107	36218	19.636	ug/l	89
64) Tetrachloroethene	8.14	164	45166	19.807	ug/l	98
65) Chlorobenzene	9.79	112	128062	20.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	51356	20.681	ug/l	97
67) Ethyl Benzene	9.89	91	235724	20.069	ug/l	99
68) m/p-Xylenes	10.13	106	162950	38.454	ug/l	95
69) o-Xylene	10.71	106	89248	19.718	ug/l	100
70) Styrene	10.78	104	131412	20.918	ug/l	98
71) Bromoform	10.76	173	18103	16.916	ug/l #	95
73) Isopropylbenzene	11.12	105	284115	19.816	ug/l	97
74) N-amyl acetate	11.37	43	69719	21.172	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	50492	20.249	ug/l	91
76) 1,2,3-Trichloropropane	11.78	75	34843	19.439	ug/l	99
77) Bromobenzene	11.49	156	57014	19.482	ug/l	86
78) n-propylbenzene	11.59	91	335005	19.180	ug/l	98
79) 2-Chlorotoluene	11.71	91	186635	18.802	ug/l	93
80) 1,3,5-Trimethylbenzene	11.82	105	227478	19.876	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	14719m	15.564	ug/l	
82) 4-Chlorotoluene	11.89	91	189504	19.275	ug/l	99
83) tert-Butylbenzene	12.13	119	246082	20.678	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	229665	19.399	ug/l	95
85) sec-Butylbenzene	12.30	105	317670	19.627	ug/l	97
86) p-Isopropyltoluene	12.45	119	263912	19.586	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	113675	18.895	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	107161	19.444	ug/l	96
89) n-Butylbenzene	12.84	91	283169	20.333	ug/l	98
90) Hexachloroethane	12.91	117	61401	20.644	ug/l	89
91) 1,2-Dichlorobenzene	12.94	146	110528	19.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9049	21.408	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	79887	20.418	ug/l	95
94) Hexachlorobutadiene	14.18	225	48466	20.457	ug/l	95
95) Naphthalene	14.45	128	146480	21.033	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	74132	21.094	ug/l	98

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

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