

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061408.D
 Acq On : 15 Jan 2019 15:56
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:05:45 PM

Quant Time: Jan 16 03:59:20 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	4.87	168	179360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	319582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	292834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	141629	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	162634	74.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.68%	
35) Dibromofluoromethane	4.11	113	176312	68.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.50%	
50) Toluene-d8	7.55	98	488466	69.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.90%	
62) 4-Bromofluorobenzene	11.41	95	208180	61.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	269895	75.929	ug/l	90
3) Chloromethane	1.10	50	178123	66.101	ug/l	97
4) Vinyl Chloride	1.14	62	165708	69.812	ug/l	100
5) Bromomethane	1.32	94	106934	65.795	ug/l	96
6) Chloroethane	1.39	64	72398	67.516	ug/l	96
7) Trichlorofluoromethane	1.49	101	316891m	67.053	ug/l	
8) Diethyl Ether	1.62	74	42277	71.345	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	154026	69.752	ug/l	98
10) Methyl Iodide	1.91	142	246249m	71.972	ug/l	
11) Tert butyl alcohol	2.57	59	34208	359.484	ug/l	96
12) 1,1-Dichloroethene	1.79	96	118739	72.381	ug/l	99
13) Acrolein	2.00	56	27584	311.633	ug/l	95
14) Allyl chloride	2.09	41	177992	60.317	ug/l	97
15) Acrylonitrile	2.94	53	83685	337.363	ug/l	96
16) Acetone	2.24	43	161984	342.871	ug/l	96
17) Carbon Disulfide	1.83	76	370846m	72.469	ug/l	
18) Methyl Acetate	2.34	43	61612	55.273	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	249101	68.130	ug/l	96
20) Methylene Chloride	2.18	84	116561m	62.732	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	123182	67.589	ug/l	94
22) Diisopropyl ether	2.80	45	399724	69.647	ug/l	98
23) Vinyl Acetate	3.18	43	963628	441.302	ug/l	99
24) 1,1-Dichloroethane	2.87	63	252402	69.061	ug/l	98
25) 2-Butanone	4.33	43	260363	346.005	ug/l	98
26) 2,2-Dichloropropane	3.60	77	141672	60.172	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	196812	74.751	ug/l	99
28) Bromochloromethane	3.72	49	109183	64.175	ug/l #	97
29) Tetrahydrofuran	4.06	42	110497	333.760	ug/l	95
30) Chloroform	3.85	83	347561	70.467	ug/l	99
31) Cyclohexane	3.69	56	237403m	63.656	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	254618	67.885	ug/l	96
36) 1,1-Dichloropropene	4.28	75	244759	64.584	ug/l	99
37) Ethyl Acetate	4.11	43	102017	66.297	ug/l #	78
38) Carbon Tetrachloride	3.99	117	210286	51.217	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	282738	67.574	ug/l	97
40) Benzene	4.62	78	534515	62.194	ug/l	99
41) Methacrylonitrile	4.74	41	49039	60.504	ug/l #	89
42) 1,2-Dichloroethane	4.94	62	214549	72.026	ug/l	98
43) Isopropyl Acetate	6.95	43	132364	71.939	ug/l #	97
44) Trichloroethene	5.50	130	183493	69.500	ug/l	100
45) 1,2-Dichloropropane	6.23	63	151272	68.665	ug/l	100
46) Dibromomethane	6.08	93	102172	70.738	ug/l	96
47) Bromodichloromethane	6.38	83	268613	76.004	ug/l	98
48) Methyl methacrylate	6.71	41	92164	74.195	ug/l	91
49) 1,4-Dioxane	6.70	88	14297	1540.934	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	472401	327.838	ug/l	98
52) Toluene	7.62	92	361593	63.360	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	204582	71.755	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	264224	73.682	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	115251	74.304	ug/l	99
56) Ethyl methacrylate	8.62	69	130937	73.663	ug/l	98
57) 1,3-Dichloropropane	8.85	76	206422	71.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	69333	576.575	ug/l	98
59) 2-Hexanone	9.49	43	322990	322.020	ug/l	100
60) Dibromochloromethane	8.71	129	166505	75.530	ug/l	99
61) 1,2-Dibromoethane	8.98	107	128276	72.282	ug/l	96
64) Tetrachloroethene	8.15	164	163058	73.099	ug/l	99
65) Chlorobenzene	9.79	112	428557	69.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	168020	69.166	ug/l	98
67) Ethyl Benzene	9.89	91	769063	66.931	ug/l	99
68) m/p-Xylenes	10.13	106	517311	124.794	ug/l	95
69) o-Xylene	10.71	106	286191	64.637	ug/l	97
70) Styrene	10.79	104	403791	65.704	ug/l	98
71) Bromoform	10.77	173	82690	78.986	ug/l #	97
73) Isopropylbenzene	11.12	105	874213	70.675	ug/l	97
74) N-amyl acetate	11.37	43	195496	68.814	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	146448	68.073	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	105142	67.992	ug/l	91
77) Bromobenzene	11.49	156	179972	71.281	ug/l	90
78) n-propylbenzene	11.59	91	965963	64.102	ug/l	99
79) 2-Chlorotoluene	11.72	91	563396	65.786	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	663816	67.229	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	46812m	57.374	ug/l	
82) 4-Chlorotoluene	11.89	91	566666	66.806	ug/l	98
83) tert-Butylbenzene	12.13	119	702311	68.402	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	688632	67.419	ug/l	98
85) sec-Butylbenzene	12.30	105	943461	67.565	ug/l	98
86) p-Isopropyltoluene	12.46	119	732172	62.983	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	309996	59.725	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	340034	71.515	ug/l	97
89) n-Butylbenzene	12.84	91	759861	63.244	ug/l	97
90) Hexachloroethane	12.91	117	194669	75.862	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	316072	65.348	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	28288	77.570	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	235533	69.775	ug/l	95
94) Hexachlorobutadiene	14.18	225	150257	73.510	ug/l	97
95) Naphthalene	14.45	128	482171	80.248	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	228082	75.223	ug/l	95

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

