

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059616.D
 Acq On : 23 Jul 2018 15:42
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:47 PM

Quant Time: Jul 23 16:05:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:54:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	256869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	363681	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	353475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	212805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	545105	135.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.64%	
35) Dibromofluoromethane	4.28	113	464827	140.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.44%	
50) Toluene-d8	7.71	98	1147824	139.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.92%	
62) 4-Bromofluorobenzene	11.51	95	596545	126.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	253.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	408429	125.72	ug/l	92
3) Chloromethane	1.09	50	204129	132.57	ug/l	95
4) Vinyl Chloride	1.15	62	231398	136.18	ug/l	89
5) Bromomethane	1.34	94	170481	118.19	ug/l	89
6) Chloroethane	1.42	64	127530	125.77	ug/l	94
7) Trichlorofluoromethane	1.48	101	569848m	126.48	ug/l	
8) Diethyl Ether	1.70	74	99263	146.81	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	259073	114.10	ug/l	94
10) Methyl Iodide	1.96	142	482931	127.08	ug/l	91
11) Tert butyl alcohol	2.69	59	106087	628.31	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	249425	134.40	ug/l	90
13) Acrolein	2.09	56	66910	846.67	ug/l	92
14) Allyl chloride	2.19	41	426237	133.36	ug/l	87
15) Acrylonitrile	3.07	53	179082	672.72	ug/l	93
16) Acetone	2.33	43	393559	573.80	ug/l	96
17) Carbon Disulfide	1.83	76	608848m	126.91	ug/l	
18) Methyl Acetate	2.45	43	143251	113.15	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	701729	130.03	ug/l	98
20) Methylene Chloride	2.27	84	226068m	108.04	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	238290	126.47	ug/l	85
22) Diisopropyl ether	2.91	45	852961	137.18	ug/l	95
23) Vinyl Acetate	3.33	43	2015238	636.65	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	570714	132.19	ug/l	100
25) 2-Butanone	4.50	43	464555	622.19	ug/l	98
26) 2,2-Dichloropropane	3.75	77	428679	123.54	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	313786	146.75	ug/l	97
28) Bromochloromethane	3.88	49	199353	122.14	ug/l	93
29) Tetrahydrofuran	4.25	42	198588	645.18	ug/l	99
30) Chloroform	4.03	83	765645	128.02	ug/l	95
31) Cyclohexane	3.86	56	320875	133.24	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	658832	127.05	ug/l	99
36) 1,1-Dichloropropene	4.45	75	504989	136.76	ug/l #	94
37) Ethyl Acetate	4.28	43	205052	132.19	ug/l #	88
38) Carbon Tetrachloride	4.16	117	694878m	124.55	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	384628	129.85	ug/l	94
40) Benzene	4.80	78	916032	134.06	ug/l	95
41) Methacrylonitrile	4.92	41	106814	133.41	ug/l #	71
42) 1,2-Dichloroethane	5.11	62	589714	128.70	ug/l	98
43) Isopropyl Acetate	7.10	43	276912	137.37	ug/l #	99
44) Trichloroethene	5.66	130	333930	128.09	ug/l	97
45) 1,2-Dichloropropane	6.39	63	245351	133.22	ug/l	95
46) Dibromomethane	6.25	93	214003	138.41	ug/l	95
47) Bromodichloromethane	6.54	83	597280	129.55	ug/l #	94
48) Methyl methacrylate	6.87	41	203466	134.95	ug/l	94
49) 1,4-Dioxane	6.86	88	29482	3199.27	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	893160	625.88	ug/l	98
52) Toluene	7.77	92	666536	130.20	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	503024	128.34	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	532969	137.17	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	235445	131.73	ug/l	92
56) Ethyl methacrylate	8.75	69	369969	183.36	ug/l #	78
57) 1,3-Dichloropropane	9.00	76	398958	127.65	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	141253	629.58	ug/l	100
59) 2-Hexanone	9.63	43	736741	638.85	ug/l	97
60) Dibromochloromethane	8.86	129	421672	133.61	ug/l	98
61) 1,2-Dibromoethane	9.13	107	288685	138.00	ug/l	97
64) Tetrachloroethene	8.30	164	338330	127.55	ug/l	94
65) Chlorobenzene	9.93	112	872595	131.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	390963	131.31	ug/l	98
67) Ethyl Benzene	10.04	91	1550837	131.18	ug/l	98
68) m/p-Xylenes	10.27	106	1023104	253.31	ug/l	89
69) o-Xylene	10.83	106	583735	132.77	ug/l	87
70) Styrene	10.90	104	863471	131.22	ug/l	98
71) Bromoform	10.89	173	249772	131.73	ug/l #	97
73) Isopropylbenzene	11.22	105	1728665	126.99	ug/l	94
74) N-amyl acetate	11.46	43	473397	146.99	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	305586	128.37	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	261944	126.80	ug/l	89
77) Bromobenzene	11.59	156	440582	123.34	ug/l	93
78) n-propylbenzene	11.69	91	1904964	117.30	ug/l	98
79) 2-Chlorotoluene	11.82	91	1182441	121.93	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	1433771	119.19	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	117252m	124.00	ug/l	
82) 4-Chlorotoluene	11.98	91	1347092	124.25	ug/l	97
83) tert-Butylbenzene	12.21	119	1444124	121.96	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	1509827	123.16	ug/l	90
85) sec-Butylbenzene	12.39	105	1916381	126.00	ug/l	97
86) p-Isopropyltoluene	12.54	119	1650704	123.50	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	798438	118.70	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	827878	130.53	ug/l	96
89) n-Butylbenzene	12.92	91	1568205	123.30	ug/l	91
90) Hexachloroethane	12.99	117	412643	125.12	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	753298	120.12	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	77603	134.17	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	591152	128.94	ug/l	97
94) Hexachlorobutadiene	14.26	225	355718	114.95	ug/l	96
95) Naphthalene	14.52	128	1107427	143.71	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	563154	133.58	ug/l	98

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

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