

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059307.D
 Acq On : 25 Jun 2018 17:37
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 6/26/2018 10:04:45 AM

Quant Time: Jun 26 08:19:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	271316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	413972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	430551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	248327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	476793	124.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	249.30%	
35) Dibromofluoromethane	4.28	113	408332	120.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.12%	
50) Toluene-d8	7.70	98	1023589	118.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	237.70%	
62) 4-Bromofluorobenzene	11.50	95	546249	114.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	228.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	334895	109.27	ug/l	95
3) Chloromethane	1.08	50	237483	122.96	ug/l	98
4) Vinyl Chloride	1.15	62	233949	122.37	ug/l	100
5) Bromomethane	1.34	94	148747	114.05	ug/l	96
6) Chloroethane	1.43	64	112030	119.69	ug/l	95
7) Trichlorofluoromethane	1.48	101	460749m	123.13	ug/l	
8) Diethyl Ether	1.69	74	121554	140.23	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	234479	110.82	ug/l	98
10) Methyl Iodide	1.96	142	497871	128.30	ug/l	98
11) Tert butyl alcohol	2.68	59	156160	672.07	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	234434	123.76	ug/l	88
13) Acrolein	2.08	56	81426	439.55	ug/l	92
14) Allyl chloride	2.18	41	467284	133.34	ug/l	89
15) Acrylonitrile	3.06	53	308008	640.84	ug/l	94
16) Acetone	2.33	43	649042	695.32	ug/l	98
17) Carbon Disulfide	1.83	76	554915m	121.72	ug/l	
18) Methyl Acetate	2.44	43	239655	136.22	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	842876	132.16	ug/l	93
20) Methylene Chloride	2.26	84	268241m	131.78	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	255298	131.08	ug/l	92
22) Diisopropyl ether	2.91	45	989140	135.78	ug/l	95
23) Vinyl Acetate	3.32	43	2929685	627.76	ug/l	100
24) 1,1-Dichloroethane	2.99	63	591810	125.80	ug/l	100
25) 2-Butanone	4.49	43	810701	665.39	ug/l	98
26) 2,2-Dichloropropane	3.74	77	377859	115.88	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	381260	128.50	ug/l	89
28) Bromochloromethane	3.87	49	227247	115.61	ug/l	93
29) Tetrahydrofuran	4.24	42	335440	614.31	ug/l	98
30) Chloroform	4.02	83	843550	124.06	ug/l	100
31) Cyclohexane	3.84	56	383285	120.25	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	591425	115.97	ug/l	96
36) 1,1-Dichloropropene	4.44	75	530223	126.52	ug/l	100
37) Ethyl Acetate	4.28	43	347558	126.14	ug/l	93
38) Carbon Tetrachloride	4.16	117	646572m	125.06	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	466133	123.70	ug/l	93
40) Benzene	4.80	78	1151387	128.44	ug/l	98
41) Methacrylonitrile	4.91	41	174883	133.33	ug/l	91
42) 1,2-Dichloroethane	5.10	62	685434	133.13	ug/l	99
43) Isopropyl Acetate	7.09	43	471617	142.25	ug/l #	94
44) Trichloroethene	5.66	130	384301	124.66	ug/l	99
45) 1,2-Dichloropropane	6.38	63	338774	130.33	ug/l	99
46) Dibromomethane	6.24	93	289119	129.61	ug/l	98
47) Bromodichloromethane	6.53	83	703988	132.38	ug/l	97
48) Methyl methacrylate	6.86	41	323961	152.64	ug/l	94
49) 1,4-Dioxane	6.85	88	31895	2564.49	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	1535492	641.35	ug/l	97
52) Toluene	7.76	92	836218	120.59	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	646993	130.25	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	710719	134.57	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	351807	131.29	ug/l	96
56) Ethyl methacrylate	8.75	69	448123	145.54	ug/l	97
57) 1,3-Dichloropropane	8.99	76	591061	133.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	152811	624.45	ug/l	100
59) 2-Hexanone	9.62	43	1200526	626.86	ug/l	96
60) Dibromochloromethane	8.85	129	538700	135.86	ug/l	93
61) 1,2-Dibromoethane	9.12	107	421151	135.42	ug/l	98
64) Tetrachloroethene	8.30	164	382425	119.09	ug/l	97
65) Chlorobenzene	9.93	112	1095142	123.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	462505	123.34	ug/l	97
67) Ethyl Benzene	10.03	91	1762632	116.85	ug/l	99
68) m/p-Xylenes	10.26	106	1225204	227.38	ug/l	91
69) o-Xylene	10.82	106	704197	117.92	ug/l	89
70) Styrene	10.89	104	1060957	116.97	ug/l	99
71) Bromoform	10.88	173	343117	128.88	ug/l #	99
73) Isopropylbenzene	11.21	105	1966993	118.75	ug/l	95
74) N-amyl acetate	11.45	43	726147	131.45	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	492099	124.09	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	392575	135.41	ug/l	93
77) Bromobenzene	11.59	156	542473	120.88	ug/l	85
78) n-propylbenzene	11.68	91	2165078	111.02	ug/l	99
79) 2-Chlorotoluene	11.81	91	1393223	118.71	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1614616	115.44	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	235381	128.47	ug/l	97
82) 4-Chlorotoluene	11.98	91	1493809	117.80	ug/l	98
83) tert-Butylbenzene	12.21	119	1598583	113.18	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1687980	114.06	ug/l	94
85) sec-Butylbenzene	12.38	105	2135590	112.56	ug/l	97
86) p-Isopropyltoluene	12.54	119	1759406	113.06	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	901858	111.99	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	949057	119.69	ug/l	96
89) n-Butylbenzene	12.91	91	1718373	108.64	ug/l	94
90) Hexachloroethane	12.99	117	472893	120.67	ug/l	99
91) 1,2-Dichlorobenzene	13.01	146	937592	116.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	121318	141.66	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	682982	116.65	ug/l	97
94) Hexachlorobutadiene	14.25	225	396450	115.69	ug/l	95
95) Naphthalene	14.52	128	1640063	135.89	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	704057	127.85	ug/l	96

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

