

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060283.D
 Acq On : 19 Sep 2018 15:38
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:31 AM

Quant Time: Sep 20 02:54:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	265043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	476921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	420122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	216626	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	494225	138.48	ug/l	0.00
Spiked Amount			Recovery	=	276.96%	
35) Dibromofluoromethane	4.29	113	535940	126.06	ug/l	0.00
Spiked Amount			Recovery	=	252.12%	
50) Toluene-d8	7.70	98	1385298	125.12	ug/l	0.00
Spiked Amount			Recovery	=	250.24%	
62) 4-Bromofluorobenzene	11.51	95	603077	126.01	ug/l	0.00
Spiked Amount			Recovery	=	252.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	547858	116.42	ug/l	98
3) Chloromethane	1.13	50	440770	123.44	ug/l	100
4) Vinyl Chloride	1.18	62	460778	125.18	ug/l	100
5) Bromomethane	1.35	94	276283	111.89	ug/l	97
6) Chloroethane	1.42	64	207803	118.54	ug/l	96
7) Trichlorofluoromethane	1.54	101	838490	122.27	ug/l	100
8) Diethyl Ether	1.70	74	148707	130.34	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.89	101	436843	119.78	ug/l	94
10) Methyl Iodide	1.96	142	763543	129.84	ug/l	93
11) Tert butyl alcohol	2.69	59	145222	638.33	ug/l	94
12) 1,1-Dichloroethene	1.85	96	359439	119.17	ug/l	97
13) Acrolein	2.08	56	50681	455.75	ug/l	84
14) Allyl chloride	2.18	41	675241	128.29	ug/l	96
15) Acrylonitrile	3.07	53	328793	652.30	ug/l	96
16) Acetone	2.34	43	621122	617.98	ug/l	100
17) Carbon Disulfide	1.90	76	1036596	113.87	ug/l	99
18) Methyl Acetate	2.45	43	234175	139.86	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	994029	132.20	ug/l	99
20) Methylene Chloride	2.28	84	370200m	103.62	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	395182	126.86	ug/l	94
22) Diisopropyl ether	2.92	45	1275344	128.43	ug/l	99
23) Vinyl Acetate	3.33	43	2602495	667.27	ug/l	98
24) 1,1-Dichloroethane	3.00	63	813043	126.24	ug/l	98
25) 2-Butanone	4.50	43	917108	677.92	ug/l	99
26) 2,2-Dichloropropane	3.76	77	455308	123.90	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	540945	132.18	ug/l	88
28) Bromochloromethane	3.88	49	321640	128.27	ug/l	89
29) Tetrahydrofuran	4.24	42	327203	660.47	ug/l	99
30) Chloroform	4.04	83	994008	127.91	ug/l	96
31) Cyclohexane	3.86	56	642408	118.09	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	807896	131.76	ug/l	99
36) 1,1-Dichloropropene	4.45	75	702636	118.11	ug/l	98
37) Ethyl Acetate	4.28	43	310874	123.50	ug/l	94
38) Carbon Tetrachloride	4.16	117	772707m	113.83	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	721316	111.88	ug/l	96
40) Benzene	4.80	78	1659607	123.03	ug/l	99
41) Methacrylonitrile	4.91	41	172861	126.56	ug/l	98
42) 1,2-Dichloroethane	5.11	62	658039	132.54	ug/l	100
43) Isopropyl Acetate	7.10	43	418404	138.07	ug/l	93
44) Trichloroethene	5.67	130	480390	119.66	ug/l	100
45) 1,2-Dichloropropane	6.40	63	441802	126.55	ug/l	100
46) Dibromomethane	6.24	93	326415	130.81	ug/l	92
47) Bromodichloromethane	6.54	83	769864	128.38	ug/l	95
48) Methyl methacrylate	6.86	41	274582	129.08	ug/l	96
49) 1,4-Dioxane	6.85	88	50279	2645.68	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	1614335	691.19	ug/l	96
52) Toluene	7.77	92	1037295	121.55	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	621850	128.56	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	773138	126.87	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	342668	132.30	ug/l	97
56) Ethyl methacrylate	8.76	69	430190	137.53	ug/l	98
57) 1,3-Dichloropropane	8.99	76	585597	136.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	156133	564.62	ug/l	100
59) 2-Hexanone	9.62	43	1156538	695.47	ug/l	95
60) Dibromochloromethane	8.86	129	517394	134.03	ug/l	99
61) 1,2-Dibromoethane	9.13	107	386986	134.18	ug/l	95
64) Tetrachloroethene	8.30	164	437970	115.00	ug/l	94
65) Chlorobenzene	9.94	112	1194382	125.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	489796	123.95	ug/l	98
67) Ethyl Benzene	10.04	91	1987212	112.88	ug/l	94
68) m/p-Xylenes	10.27	106	1445810	237.70	ug/l	82
69) o-Xylene	10.83	106	822771	120.60	ug/l	86
70) Styrene	10.90	104	1148001	119.32	ug/l	96
71) Bromoform	10.89	173	295310	136.08	ug/l #	93
73) Isopropylbenzene	11.22	105	2206511	113.46	ug/l	93
74) N-amyl acetate	11.46	43	579688	139.79	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	438183	127.14	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	322636	130.74	ug/l	89
77) Bromobenzene	11.60	156	515122	122.91	ug/l	94
78) n-propylbenzene	11.68	91	2487748	108.36	ug/l	94
79) 2-Chlorotoluene	11.81	91	1504963	114.72	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1728663	110.43	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	175151m	110.16	ug/l	
82) 4-Chlorotoluene	11.99	91	1597404	121.15	ug/l	94
83) tert-Butylbenzene	12.22	119	1814041	114.31	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	1853616	116.61	ug/l	89
85) sec-Butylbenzene	12.38	105	2405115	109.46	ug/l	94
86) p-Isopropyltoluene	12.54	119	1937433	111.43	ug/l	94
87) 1,3-Dichlorobenzene	12.56	146	929947	118.74	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	937871	121.16	ug/l	92
89) n-Butylbenzene	12.92	91	1943336	105.67	ug/l	89
90) Hexachloroethane	13.00	117	533599	120.17	ug/l	83
91) 1,2-Dichlorobenzene	13.03	146	879819	117.77	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	92652	143.18	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	649418	119.59	ug/l	99
94) Hexachlorobutadiene	14.26	225	445569	121.38	ug/l	99
95) Naphthalene	14.52	128	1323759	139.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	625428	124.65	ug/l	96

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

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