

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060029.D
 Acq On : 21 Aug 2018 19:46
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:17 AM

Quant Time: Aug 22 04:27:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:57:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	206702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	333632	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	320636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	194637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	401351	105.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.52%	
35) Dibromofluoromethane	4.30	113	355093	108.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.54%	
50) Toluene-d8	7.72	98	977059	130.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.32%	
62) 4-Bromofluorobenzene	11.52	95	499460	111.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	354371	104.83	ug/l	95
3) Chloromethane	1.07	50	248492	132.09	ug/l	99
4) Vinyl Chloride	1.12	62	228326	111.28	ug/l	96
5) Bromomethane	1.32	94	167938	85.53	ug/l	97
6) Chloroethane	1.39	64	86408	84.28	ug/l	97
7) Trichlorofluoromethane	1.48	101	377340	66.92	ug/l	98
8) Diethyl Ether	1.71	74	91078	106.98	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	242586	90.80	ug/l	99
10) Methyl Iodide	1.93	142	344556	101.88	ug/l	98
11) Tert butyl alcohol	2.70	59	109554	494.55	ug/l #	87
12) 1,1-Dichloroethene	1.83	96	179043	95.99	ug/l	93
13) Acrolein	2.10	56	74043	618.10	ug/l	93
14) Allyl chloride	2.19	41	310938	98.52	ug/l	95
15) Acrylonitrile	3.08	53	211951	592.91	ug/l	97
16) Acetone	2.34	43	490014	413.35	ug/l	99
17) Carbon Disulfide	1.84	76	512778	86.89	ug/l	99
18) Methyl Acetate	2.46	43	176368	77.93	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	621013	102.29	ug/l	100
20) Methylene Chloride	2.28	84	201323	76.35	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	197565	98.82	ug/l	95
22) Diisopropyl ether	2.93	45	755088	111.51	ug/l	97
23) Vinyl Acetate	3.34	43	2073597	732.54	ug/l	100
24) 1,1-Dichloroethane	3.01	63	450617	103.06	ug/l	99
25) 2-Butanone	4.52	43	660032	674.30	ug/l	98
26) 2,2-Dichloropropane	3.77	77	504151	127.70	ug/l	94
27) cis-1,2-Dichloroethene	3.64	96	294595	151.57	ug/l	98
28) Bromochloromethane	3.90	49	158861	117.77	ug/l	91
29) Tetrahydrofuran	4.26	42	241577	687.95	ug/l	98
30) Chloroform	4.05	83	642777	122.52	ug/l	93
31) Cyclohexane	3.87	56	308567	141.23	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	537160	107.21	ug/l	99
36) 1,1-Dichloropropene	4.47	75	411771	110.08	ug/l	99
37) Ethyl Acetate	4.30	43	241512	118.04	ug/l #	70
38) Carbon Tetrachloride	4.18	117	506655	98.15	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	373874	130.86	ug/l	87
40) Benzene	4.82	78	889212	138.34	ug/l	99
41) Methacrylonitrile	4.94	41	125963	127.17	ug/l	97
42) 1,2-Dichloroethane	5.13	62	489305	94.87	ug/l	99
43) Isopropyl Acetate	7.12	43	340847	146.93	ug/l	99
44) Trichloroethene	5.68	130	292965	119.20	ug/l	92
45) 1,2-Dichloropropane	6.41	63	269654	145.35	ug/l	94
46) Dibromomethane	6.27	93	214658	120.84	ug/l	98
47) Bromodichloromethane	6.56	83	518075	110.71	ug/l	95
48) Methyl methacrylate	6.89	41	222032	131.37	ug/l	96
49) 1,4-Dioxane	6.89	88	43518	3279.73	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	1263253	589.51	ug/l	99
52) Toluene	7.79	92	612469	127.44	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	452297	113.61	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	512230	130.19	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	261428	136.08	ug/l	99
56) Ethyl methacrylate	8.77	69	326841	146.12	ug/l	99
57) 1,3-Dichloropropane	9.01	76	441194	128.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	108734	612.44	ug/l	100
59) 2-Hexanone	9.64	43	1035364	584.36	ug/l	99
60) Dibromochloromethane	8.88	129	410260	121.32	ug/l	98
61) 1,2-Dibromoethane	9.14	107	307574	130.26	ug/l	100
64) Tetrachloroethene	8.32	164	292830	120.53	ug/l	99
65) Chlorobenzene	9.95	112	812785	128.72	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	341269	120.82	ug/l	98
67) Ethyl Benzene	10.05	91	1406952	123.76	ug/l	99
68) m/p-Xylenes	10.29	106	944346	235.74	ug/l	92
69) o-Xylene	10.84	106	565266	137.89	ug/l	94
70) Styrene	10.91	104	831472	127.15	ug/l	96
71) Bromoform	10.90	173	249937	119.89	ug/l	99
73) Isopropylbenzene	11.23	105	1521068	129.86	ug/l	99
74) N-amyl acetate	11.47	43	538312	159.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	354986	150.75	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	263831	130.13	ug/l	100
77) Bromobenzene	11.61	156	418077	128.39	ug/l	95
78) n-propylbenzene	11.70	91	1777312	121.92	ug/l	96
79) 2-Chlorotoluene	11.83	91	1102303	126.08	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	1266409	120.46	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	137104m	160.28	ug/l	
82) 4-Chlorotoluene	12.00	91	1189680	124.35	ug/l	98
83) tert-Butylbenzene	12.22	119	1275825	124.11	ug/l	91
84) 1,2,4-Trimethylbenzene	12.30	105	1378546	124.74	ug/l	97
85) sec-Butylbenzene	12.40	105	1743180	127.06	ug/l	96
86) p-Isopropyltoluene	12.54	119	1452030	119.69	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	744207	119.71	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	786629	130.26	ug/l	98
89) n-Butylbenzene	12.93	91	1435065	122.42	ug/l	94
90) Hexachloroethane	13.01	117	363263	134.45	ug/l	95
91) 1,2-Dichlorobenzene	13.03	146	754067	127.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	82274	133.64	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	556462	116.15	ug/l	95
94) Hexachlorobutadiene	14.26	225	348098	110.56	ug/l	98
95) Naphthalene	14.53	128	1080809	157.05	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	566146	123.20	ug/l	98

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

