

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060028.D
 Acq On : 21 Aug 2018 19:18
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:13 AM

Quant Time: Aug 22 04:26:35 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	202747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	332256	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	338586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	203056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	283431	75.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.56%	
35) Dibromofluoromethane	4.31	113	247880	75.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.80%	
50) Toluene-d8	7.72	98	689228	92.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.40%	
62) 4-Bromofluorobenzene	11.52	95	350791	78.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	239249	72.15	ug/l	97
3) Chloromethane	1.07	50	171413	92.90	ug/l	97
4) Vinyl Chloride	1.12	62	157231	78.13	ug/l	99
5) Bromomethane	1.32	94	116035	60.25	ug/l	92
6) Chloroethane	1.40	64	61486	61.14	ug/l	100
7) Trichlorofluoromethane	1.49	101	311699	56.36	ug/l	99
8) Diethyl Ether	1.71	74	62946	75.38	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.86	101	167835	64.04	ug/l	98
10) Methyl Iodide	1.93	142	235061	70.86	ug/l	98
11) Tert butyl alcohol	2.69	59	77401	356.22	ug/l #	89
12) 1,1-Dichloroethene	1.83	96	122396	66.90	ug/l	98
13) Acrolein	2.10	56	48791	415.25	ug/l	93
14) Allyl chloride	2.20	41	220527	71.24	ug/l	95
15) Acrylonitrile	3.08	53	146820	418.73	ug/l	95
16) Acetone	2.34	43	353507	304.01	ug/l	99
17) Carbon Disulfide	1.84	76	363011	62.71	ug/l	98
18) Methyl Acetate	2.46	43	124820	56.23	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	416951	70.02	ug/l	99
20) Methylene Chloride	2.28	84	140433	54.29	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	134173	68.42	ug/l	94
22) Diisopropyl ether	2.94	45	516157	77.71	ug/l	98
23) Vinyl Acetate	3.34	43	1487014	535.56	ug/l	99
24) 1,1-Dichloroethane	3.01	63	305708	71.28	ug/l	99
25) 2-Butanone	4.52	43	471989	491.60	ug/l	99
26) 2,2-Dichloropropane	3.77	77	331777	85.68	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	201413	105.65	ug/l	98
28) Bromochloromethane	3.90	49	122151	92.32	ug/l	87
29) Tetrahydrofuran	4.26	42	176518	512.48	ug/l	98
30) Chloroform	4.05	83	436346	84.79	ug/l	97
31) Cyclohexane	3.87	56	224835	104.91	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	371136	75.52	ug/l	98
36) 1,1-Dichloropropene	4.47	75	286508	76.91	ug/l	100
37) Ethyl Acetate	4.31	43	176333	86.54	ug/l #	66
38) Carbon Tetrachloride	4.19	117	324238	63.07	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	256144	90.03	ug/l	88
40) Benzene	4.82	78	611191	95.48	ug/l	98
41) Methacrylonitrile	4.94	41	88852	90.08	ug/l	98
42) 1,2-Dichloroethane	5.13	62	342796	66.74	ug/l	98
43) Isopropyl Acetate	7.12	43	237221	102.69	ug/l #	97
44) Trichloroethene	5.69	130	202601	82.78	ug/l	94
45) 1,2-Dichloropropane	6.42	63	184758	100.00	ug/l	98
46) Dibromomethane	6.27	93	145949	82.50	ug/l	95
47) Bromodichloromethane	6.56	83	353848	75.93	ug/l	98
48) Methyl methacrylate	6.89	41	155544	92.41	ug/l	97
49) 1,4-Dioxane	6.88	88	28888	2186.16	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	940995	440.94	ug/l	99
52) Toluene	7.79	92	418340	87.41	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	314477	79.32	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	354725	90.53	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	182847	95.57	ug/l	99
56) Ethyl methacrylate	8.77	69	226569	101.71	ug/l	96
57) 1,3-Dichloropropane	9.02	76	303788	88.87	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.79	63	75663	427.93	ug/l	100
59) 2-Hexanone	9.64	43	737632	418.04	ug/l	99
60) Dibromochloromethane	8.87	129	274600	81.54	ug/l	96
61) 1,2-Dibromoethane	9.15	107	210786	89.64	ug/l	99
64) Tetrachloroethene	8.32	164	204679	79.78	ug/l	98
65) Chlorobenzene	9.95	112	587642	88.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	235487	78.95	ug/l	98
67) Ethyl Benzene	10.05	91	964520	80.34	ug/l	98
68) m/p-Xylenes	10.28	106	692093	163.61	ug/l	94
69) o-Xylene	10.84	106	389141	89.89	ug/l	98
70) Styrene	10.91	104	606220	87.79	ug/l	96
71) Bromoform	10.90	173	176428	80.14	ug/l	99
73) Isopropylbenzene	11.24	105	1128082	92.31	ug/l	100
74) N-amyl acetate	11.47	43	387311	109.86	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	254392	103.56	ug/l	95
76) 1,2,3-Trichloropropane	11.90	75	198286	93.75	ug/l	99
77) Bromobenzene	11.60	156	307170	90.42	ug/l	89
78) n-propylbenzene	11.70	91	1299746	85.46	ug/l	97
79) 2-Chlorotoluene	11.83	91	783781	85.93	ug/l	94
80) 1,3,5-Trimethylbenzene	11.93	105	957309	87.28	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	101621m	113.88	ug/l	
82) 4-Chlorotoluene	11.99	91	888538	89.02	ug/l	97
83) tert-Butylbenzene	12.22	119	914525	85.27	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	1001498	86.87	ug/l	98
85) sec-Butylbenzene	12.40	105	1289411	90.09	ug/l	96
86) p-Isopropyltoluene	12.55	119	1077527	85.14	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	541200	83.45	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	570393	90.53	ug/l	98
89) n-Butylbenzene	12.93	91	1053635	86.15	ug/l	94
90) Hexachloroethane	13.00	117	256095	90.86	ug/l	81
91) 1,2-Dichlorobenzene	13.03	146	545226	88.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	57362	89.31	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	414846	83.00	ug/l	95
94) Hexachlorobutadiene	14.26	225	254766	77.56	ug/l	96
95) Naphthalene	14.53	128	839517	116.93	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	414745	86.51	ug/l	98

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

