

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060282.D
 Acq On : 19 Sep 2018 15:10
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:27 AM

Quant Time: Sep 20 02:52:32 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	280820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	486125	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	415526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	219224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	336422	88.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	177.94%	
35) Dibromofluoromethane	4.29	113	374976	86.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.06%	
50) Toluene-d8	7.71	98	974913	86.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.78%	
62) 4-Bromofluorobenzene	11.50	95	409005	83.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	390115	78.24	ug/l	97
3) Chloromethane	1.12	50	307766	81.35	ug/l	98
4) Vinyl Chloride	1.17	62	316148	81.06	ug/l	92
5) Bromomethane	1.34	94	210317	80.39	ug/l	97
6) Chloroethane	1.42	64	157974	85.05	ug/l	98
7) Trichlorofluoromethane	1.54	101	605579	83.35	ug/l	96
8) Diethyl Ether	1.70	74	104757	86.66	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.88	101	312839	80.96	ug/l	98
10) Methyl Iodide	1.96	142	514085	82.51	ug/l	95
11) Tert butyl alcohol	2.68	59	98913	410.35	ug/l	94
12) 1,1-Dichloroethene	1.84	96	264920	82.90	ug/l	97
13) Acrolein	2.09	56	33960	288.23	ug/l	88
14) Allyl chloride	2.19	41	461256	82.71	ug/l	98
15) Acrylonitrile	3.07	53	235518	441.00	ug/l	96
16) Acetone	2.34	43	431718	405.41	ug/l	97
17) Carbon Disulfide	1.88	76	732192	75.92	ug/l	99
18) Methyl Acetate	2.44	43	154749	87.23	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	689714	86.57	ug/l	99
20) Methylene Chloride	2.28	84	259805m	68.63	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	271047	82.12	ug/l	98
22) Diisopropyl ether	2.92	45	936250	88.98	ug/l	99
23) Vinyl Acetate	3.32	43	1826418	441.98	ug/l	99
24) 1,1-Dichloroethane	3.00	63	589205	86.35	ug/l	99
25) 2-Butanone	4.49	43	634817	442.89	ug/l	98
26) 2,2-Dichloropropane	3.76	77	316125	81.19	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	369434	85.20	ug/l	93
28) Bromochloromethane	3.88	49	226776	85.36	ug/l	98
29) Tetrahydrofuran	4.24	42	231456	440.95	ug/l	99
30) Chloroform	4.03	83	721344	87.61	ug/l	94
31) Cyclohexane	3.86	56	457318	79.34	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	544468	83.81	ug/l	99
36) 1,1-Dichloropropene	4.46	75	498015	82.13	ug/l	96
37) Ethyl Acetate	4.28	43	215129	83.85	ug/l #	96
38) Carbon Tetrachloride	4.16	117	543588m	78.56	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	518262	78.86	ug/l	98
40) Benzene	4.80	78	1119654	81.43	ug/l	98
41) Methacrylonitrile	4.91	41	113631	81.62	ug/l	95
42) 1,2-Dichloroethane	5.11	62	446649	88.26	ug/l	99
43) Isopropyl Acetate	7.11	43	270259	87.50	ug/l #	96
44) Trichloroethene	5.67	130	340098	83.11	ug/l	98
45) 1,2-Dichloropropane	6.40	63	312371	87.78	ug/l	99
46) Dibromomethane	6.25	93	218110	85.75	ug/l	97
47) Bromodichloromethane	6.55	83	528629	86.48	ug/l	99
48) Methyl methacrylate	6.86	41	190253	87.75	ug/l	94
49) 1,4-Dioxane	6.85	88	28331	1462.55	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	1142207	479.79	ug/l	98
52) Toluene	7.78	92	706015	81.17	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	428756	86.96	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	541635	87.20	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	236384	89.54	ug/l	96
56) Ethyl methacrylate	8.75	69	277218	86.95	ug/l	97
57) 1,3-Dichloropropane	9.00	76	393810	90.09	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	114376	405.78	ug/l	100
59) 2-Hexanone	9.62	43	805381	475.14	ug/l	97
60) Dibromochloromethane	8.86	129	355426	90.33	ug/l	93
61) 1,2-Dibromoethane	9.13	107	258769	88.02	ug/l	98
64) Tetrachloroethene	8.30	164	316508	84.02	ug/l	94
65) Chlorobenzene	9.94	112	838210	89.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	334749	85.65	ug/l	96
67) Ethyl Benzene	10.03	91	1442783	82.86	ug/l	97
68) m/p-Xylenes	10.27	106	971733	161.53	ug/l	91
69) o-Xylene	10.82	106	564091	83.60	ug/l	95
70) Styrene	10.90	104	794631	83.51	ug/l	97
71) Bromoform	10.88	173	191906	89.41	ug/l	93
73) Isopropylbenzene	11.23	105	1550634	78.79	ug/l	95
74) N-amyl acetate	11.46	43	388470	92.56	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	300741	86.23	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	210827	84.42	ug/l	93
77) Bromobenzene	11.59	156	363578	85.72	ug/l	97
78) n-propylbenzene	11.69	91	1814479	78.09	ug/l	92
79) 2-Chlorotoluene	11.81	91	1072403	80.78	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	1253487	79.12	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	112689m	70.03	ug/l	
82) 4-Chlorotoluene	11.99	91	1122169	84.10	ug/l	100
83) tert-Butylbenzene	12.21	119	1276833	79.51	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1280161	79.58	ug/l	98
85) sec-Butylbenzene	12.39	105	1730745	77.84	ug/l	96
86) p-Isopropyltoluene	12.54	119	1390040	79.00	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	648647	81.84	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	654656	83.57	ug/l	96
89) n-Butylbenzene	12.92	91	1398633	75.15	ug/l	93
90) Hexachloroethane	12.99	117	379497	84.45	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	636211	84.15	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	56096	85.66	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	448057	81.53	ug/l	98
94) Hexachlorobutadiene	14.25	225	312895	84.23	ug/l	99
95) Naphthalene	14.52	128	879283	91.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	443504	87.34	ug/l	96

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

