

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060278.D
 Acq On : 19 Sep 2018 13:17
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:17 AM

Quant Time: Sep 20 02:28:11 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	270466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	446435	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	381103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	199470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	37641	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
35) Dibromofluoromethane	4.28	113	44508	11.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.36%	
50) Toluene-d8	7.70	98	111423	10.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.50%	
62) 4-Bromofluorobenzene	11.51	95	46882	10.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	56882	11.85	ug/l	88
3) Chloromethane	1.13	50	42894	11.77	ug/l	88
4) Vinyl Chloride	1.19	62	41882	11.15	ug/l	96
5) Bromomethane	1.35	94	29832	11.84	ug/l	87
6) Chloroethane	1.43	64	20065	11.22	ug/l	94
7) Trichlorofluoromethane	1.54	101	77962	11.14	ug/l	90
8) Diethyl Ether	1.70	74	12362	10.62	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.90	101	42786	11.50	ug/l	96
10) Methyl Iodide	1.96	142	66639	11.10	ug/l #	88
11) Tert butyl alcohol	2.67	59	15179	65.38	ug/l #	77
12) 1,1-Dichloroethene	1.86	96	34307	11.15	ug/l	94
13) Acrolein	2.09	56	7999	70.49	ug/l	88
14) Allyl chloride	2.19	41	67202	12.51	ug/l	97
15) Acrylonitrile	3.07	53	28951	56.29	ug/l	91
16) Acetone	2.33	43	61879	60.33	ug/l	96
17) Carbon Disulfide	1.90	76	110693	11.92	ug/l #	93
18) Methyl Acetate	2.45	43	21180	12.40	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	87504	11.40	ug/l	99
20) Methylene Chloride	2.28	84	43676m	11.98	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	37191	11.70	ug/l	98
22) Diisopropyl ether	2.92	45	113840	11.23	ug/l #	95
23) Vinyl Acetate	3.32	43	228896	57.51	ug/l	98
24) 1,1-Dichloroethane	3.00	63	72285	11.00	ug/l #	98
25) 2-Butanone	4.50	43	76714	55.57	ug/l	92
26) 2,2-Dichloropropane	3.76	77	42837	11.42	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	50218	12.02	ug/l	85
28) Bromochloromethane	3.89	49	29880	11.68	ug/l	96
29) Tetrahydrofuran	4.25	42	27746	54.88	ug/l #	91
30) Chloroform	4.02	83	86144	10.86	ug/l	94
31) Cyclohexane	3.86	56	64515	11.62	ug/l #	94
32) 1,1,1-Trichloroethane	4.27	97	74599	11.92	ug/l	97
36) 1,1-Dichloropropene	4.46	75	69167	12.42	ug/l	96
37) Ethyl Acetate	4.29	43	27965	11.87	ug/l #	64
38) Carbon Tetrachloride	4.17	117	68705m	10.81	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	69378	11.50	ug/l	95
40) Benzene	4.80	78	147476	11.68	ug/l	99
41) Methacrylonitrile	4.91	41	13797	10.79	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	55263	11.89	ug/l	99
43) Isopropyl Acetate	7.11	43	32986	11.63	ug/l #	94
44) Trichloroethene	5.67	130	43432	11.56	ug/l	94
45) 1,2-Dichloropropane	6.40	63	35761	10.94	ug/l #	86
46) Dibromomethane	6.24	93	27766	11.89	ug/l	95
47) Bromodichloromethane	6.54	83	65657	11.70	ug/l	99
48) Methyl methacrylate	6.86	41	24021	12.06	ug/l	92
49) 1,4-Dioxane	6.85	88	4261	239.52	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	120399	55.07	ug/l	98
52) Toluene	7.77	92	90658	11.35	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	49573	10.95	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	65834	11.54	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	26310	10.85	ug/l	97
56) Ethyl methacrylate	8.76	69	34765	11.87	ug/l	99
57) 1,3-Dichloropropane	8.99	76	43796	10.91	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	15050	58.14	ug/l	100
59) 2-Hexanone	9.62	43	83669	53.75	ug/l	84
60) Dibromochloromethane	8.85	129	38747	10.72	ug/l	96
61) 1,2-Dibromoethane	9.13	107	30897	11.44	ug/l	96
64) Tetrachloroethene	8.30	164	40713	11.78	ug/l	93
65) Chlorobenzene	9.94	112	96596	11.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	42214	11.78	ug/l	99
67) Ethyl Benzene	10.04	91	187320	11.73	ug/l	98
68) m/p-Xylenes	10.26	106	129069	23.39	ug/l	95
69) o-Xylene	10.83	106	71019	11.48	ug/l	89
70) Styrene	10.90	104	100138	11.47	ug/l	97
71) Bromoform	10.89	173	22167	11.26	ug/l #	100
73) Isopropylbenzene	11.22	105	219917	12.28	ug/l	99
74) N-amyl acetate	11.46	43	46269	12.12	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	39488	12.44	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	26646	11.73	ug/l	91
77) Bromobenzene	11.60	156	45105	11.69	ug/l	90
78) n-propylbenzene	11.68	91	257530	12.18	ug/l	100
79) 2-Chlorotoluene	11.81	91	149580	12.38	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	170192	11.81	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	15043m	10.27	ug/l	
82) 4-Chlorotoluene	11.99	91	144227	11.88	ug/l	99
83) tert-Butylbenzene	12.22	119	179285	12.27	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	177386	12.12	ug/l	98
85) sec-Butylbenzene	12.38	105	244757	12.10	ug/l	98
86) p-Isopropyltoluene	12.53	119	195325	12.20	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	86636	12.01	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	83037	11.65	ug/l	94
89) n-Butylbenzene	12.92	91	213815	12.63	ug/l	96
90) Hexachloroethane	12.99	117	48208	11.79	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	81627	11.87	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7518	12.62	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	60155	12.03	ug/l	90
94) Hexachlorobutadiene	14.26	225	37954	11.23	ug/l	96
95) Naphthalene	14.52	128	100022	11.41	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.67	180	53861	11.66	ug/l	93

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

