

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060242.D
 Acq On : 10 Sep 2018 18:37
 Operator : VA/AP
 Sample : J4803-18MS
 Misc : 5.67/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MS

Manual Integrations
 APPROVED

apatel
 9/11/2018 11:08:00 AM

Quant Time: Sep 11 10:41:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	141081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	208906	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	218586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	118051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	123098	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	4.29	113	17736	8.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.34%	
50) Toluene-d8	7.72	98	258616	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.51	95	140221	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	127909	47.56	ug/l	98
3) Chloromethane	1.06	50	72497	51.12	ug/l	97
4) Vinyl Chloride	1.11	62	68363	62.55	ug/l	97
5) Bromomethane	1.31	94	51502	52.60	ug/l	97
6) Chloroethane	1.39	64	39059	55.80	ug/l	99
7) Trichlorofluoromethane	1.48	101	180987	59.38	ug/l	99
8) Diethyl Ether	1.69	74	28054	62.25	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	80579	54.06	ug/l	89
10) Methyl Iodide	1.92	142	71038	52.91	ug/l	92
11) Tert butyl alcohol	2.66	59	24511	201.03	ug/l #	86
12) 1,1-Dichloroethene	1.82	96	62708	61.84	ug/l	87
13) Acrolein	2.09	56	2478m	32.64	ug/l	
14) Allyl chloride	2.19	41	102721	67.54	ug/l	91
15) Acrylonitrile	3.07	53	58561	312.53	ug/l	96
16) Acetone	2.33	43	182781	332.66	ug/l	99
17) Carbon Disulfide	1.84	76	164246	55.57	ug/l	99
18) Methyl Acetate	2.52	43	64262	77.16	ug/l #	89
19) Methyl tert-butyl Ether	2.53	73	183406	54.67	ug/l	94
20) Methylene Chloride	2.28	84	66452	56.29	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	62608	60.34	ug/l	92
22) Diisopropyl ether	2.92	45	213631	56.05	ug/l	97
23) Vinyl Acetate	3.36	43	225	22.92	ug/l #	82
24) 1,1-Dichloroethane	3.00	63	154389	62.28	ug/l	98
25) 2-Butanone	4.50	43	193058	278.70	ug/l	99
26) 2,2-Dichloropropane	3.75	77	152287	44.48	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	81050	59.85	ug/l	95
28) Bromochloromethane	3.89	49	43569	51.61	ug/l	92
29) Tetrahydrofuran	4.24	42	57726	252.07	ug/l #	86
30) Chloroform	4.03	83	208499	57.41	ug/l	100
31) Cyclohexane	3.85	56	90261	53.22	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	190961	52.78	ug/l	97
36) 1,1-Dichloropropene	4.46	75	129090	52.50	ug/l	97
37) Ethyl Acetate	4.25	43	24373	17.78	ug/l #	1
38) Carbon Tetrachloride	4.17	117	159922	47.31	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	92791	45.05	ug/l	97
40) Benzene	4.81	78	244206	55.74	ug/l	98
41) Methacrylonitrile	4.92	41	31920	49.91	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	164913	52.09	ug/l	99
43) Isopropyl Acetate	7.12	43	13855	9.69	ug/l #	98
44) Trichloroethene	5.68	130	150173	84.64	ug/l	97
45) 1,2-Dichloropropane	6.41	63	67845	54.49	ug/l #	88
46) Dibromomethane	6.26	93	58915	53.74	ug/l	94
47) Bromodichloromethane	6.55	83	152352	51.20	ug/l #	96
48) Methyl methacrylate	6.87	41	15160	13.34	ug/l	95
49) 1,4-Dioxane	6.86	88	8041	481.69	ug/l #	69
51) 4-Methyl-2-Pentanone	8.41	43	343861	270.61	ug/l	98
52) Toluene	7.79	92	177027	52.18	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	134571	53.82	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	138740	53.45	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	60007	48.09	ug/l	98
56) Ethyl methacrylate	8.76	69	39255	27.52	ug/l	98
57) 1,3-Dichloropropane	9.00	76	116264	52.40	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	37944	247.34	ug/l	100
59) 2-Hexanone	9.63	43	257910	271.48	ug/l	99
60) Dibromochloromethane	8.87	129	108560	52.53	ug/l	93
61) 1,2-Dibromoethane	9.14	107	74819	49.99	ug/l	91
64) Tetrachloroethene	8.31	164	150598	68.81	ug/l	98
65) Chlorobenzene	9.95	112	227119	50.20	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	94667	47.21	ug/l	95
67) Ethyl Benzene	10.04	91	416299	49.32	ug/l	97
68) m/p-Xylenes	10.27	106	296683	104.76	ug/l	93
69) o-Xylene	10.83	106	151561	50.17	ug/l	97
70) Styrene	10.90	104	234735	51.26	ug/l	98
71) Bromoform	10.89	173	68596	59.25	ug/l #	93
73) Isopropylbenzene	11.23	105	472394	58.01	ug/l	100
74) N-amyl acetate	11.46	43	21583	16.83	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	74302	57.26	ug/l	88
77) Bromobenzene	11.60	156	124538	58.40	ug/l	96
78) n-propylbenzene	11.69	91	537333	55.07	ug/l	94
79) 2-Chlorotoluene	11.82	91	326268	55.35	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	392688	54.63	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	22146m	71.90	ug/l	
82) 4-Chlorotoluene	12.00	91	357291	54.62	ug/l	93
83) tert-Butylbenzene	12.22	119	341571	52.15	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	415331	56.87	ug/l	99
85) sec-Butylbenzene	12.39	105	456537	50.52	ug/l	99
86) p-Isopropyltoluene	12.54	119	413292	51.51	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	202992	52.09	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	207623	53.84	ug/l	98
89) n-Butylbenzene	12.92	91	353155	45.51	ug/l	96
90) Hexachloroethane	13.00	117	88723	54.54	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	201628	54.50	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18970	60.71	ug/l	76
93) 1,2,4-Trichlorobenzene	14.27	180	125130	43.76	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	65971	32.37	ug/l	97
95) Naphthalene	14.52	128	155269	35.58	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	112082	41.76	ug/l	98

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

