

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060370.D
 Acq On : 28 Sep 2018 16:40
 Operator : VA/AP
 Sample : VF0928SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBS01

Manual Integrations
 APPROVED

apatel
 10/1/2018 3:03:49 PM

Quant Time: Sep 29 00:39:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	200661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	319560	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	296657	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	169583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	159379	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
35) Dibromofluoromethane	4.27	113	150681	52.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	7.69	98	373316	50.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.50	95	181063	56.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	98877	30.462	ug/l	99
3) Chloromethane	1.13	50	68080	24.897	ug/l	95
4) Vinyl Chloride	1.18	62	67983	24.395	ug/l	99
5) Bromomethane	1.35	94	54204	31.952	ug/l	92
6) Chloroethane	1.42	64	35562	26.795	ug/l	96
7) Trichlorofluoromethane	1.54	101	164572	31.698	ug/l	99
8) Diethyl Ether	1.70	74	21359	24.727	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.89	101	79727	28.875	ug/l #	90
10) Methyl Iodide	1.96	142	118020	26.506	ug/l	91
11) Tert butyl alcohol	2.68	59	26546	170.741	ug/l	99
12) 1,1-Dichloroethene	1.85	96	58935	25.809	ug/l	85
13) Acrolein	2.08	56	8700	151.896	ug/l	85
14) Allyl chloride	2.18	41	102391	25.695	ug/l #	81
15) Acrylonitrile	3.06	53	45422	119.028	ug/l	96
16) Acetone	2.33	43	123994	162.950	ug/l #	89
17) Carbon Disulfide	1.89	76	183011	28.997	ug/l	97
18) Methyl Acetate	2.44	43	32620	25.733	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	146517	25.738	ug/l	92
20) Methylene Chloride	2.27	84	65206m	28.536	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	61381	26.026	ug/l	96
22) Diisopropyl ether	2.91	45	185469	24.669	ug/l	98
23) Vinyl Acetate	3.32	43	397588	134.647	ug/l	100
24) 1,1-Dichloroethane	2.99	63	122790	25.183	ug/l	98
25) 2-Butanone	4.49	43	118840	116.031	ug/l	100
26) 2,2-Dichloropropane	3.75	77	70494	25.339	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	69454	22.416	ug/l	88
28) Bromochloromethane	3.87	49	45363	23.896	ug/l	84
29) Tetrahydrofuran	4.23	42	45633	121.666	ug/l	96
30) Chloroform	4.02	83	151332	25.722	ug/l	94
31) Cyclohexane	3.85	56	91061	22.110	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	125906	27.122	ug/l	95
36) 1,1-Dichloropropene	4.44	75	99771	25.030	ug/l	90
37) Ethyl Acetate	4.27	43	41165	24.407	ug/l #	84
38) Carbon Tetrachloride	4.15	117	139262	32.527	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	104467	24.182	ug/l	94
40) Benzene	4.79	78	209960	23.230	ug/l	98
41) Methacrylonitrile	4.90	41	22729	24.835	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	97310	29.250	ug/l	94
43) Isopropyl Acetate	7.09	43	52030	25.625	ug/l #	100
44) Trichloroethene	5.66	130	64377	23.933	ug/l	99
45) 1,2-Dichloropropane	6.38	63	56644	24.215	ug/l	96
46) Dibromomethane	6.24	93	43608	26.081	ug/l	93
47) Bromodichloromethane	6.53	83	110430	27.483	ug/l	98
48) Methyl methacrylate	6.85	41	33549	23.538	ug/l #	84
49) 1,4-Dioxane	6.85	88	6066	476.373	ug/l #	72
51) 4-Methyl-2-Pentanone	8.39	43	188183	120.248	ug/l	94
52) Toluene	7.76	92	138526	24.227	ug/l	90
53) t-1,3-Dichloropropene	8.41	75	84601	26.102	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	104893	25.689	ug/l	92
55) 1,1,2-Trichloroethane	8.62	97	48179	27.762	ug/l	96
56) Ethyl methacrylate	8.75	69	53477	25.515	ug/l	96
57) 1,3-Dichloropropane	8.98	76	80889	28.150	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.76	63	24213	130.678	ug/l	100
59) 2-Hexanone	9.61	43	146764	131.715	ug/l	93
60) Dibromochloromethane	8.85	129	69567	26.895	ug/l	99
61) 1,2-Dibromoethane	9.12	107	51189	26.488	ug/l	100
64) Tetrachloroethene	8.29	164	62153	23.111	ug/l	94
65) Chlorobenzene	9.93	112	165849	24.667	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	71713	25.701	ug/l	95
67) Ethyl Benzene	10.03	91	319819	25.726	ug/l	97
68) m/p-Xylenes	10.26	106	216633	50.439	ug/l	87
69) o-Xylene	10.82	106	120396	24.992	ug/l	91
70) Styrene	10.89	104	163496	24.066	ug/l #	88
71) Bromoform	10.88	173	36242	23.650	ug/l #	94
73) Isopropylbenzene	11.22	105	374143	24.576	ug/l	99
74) N-amyl acetate	11.45	43	70149	21.608	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	69240	25.663	ug/l	90
76) 1,2,3-Trichloropropane	11.87	75	49041	25.386	ug/l	81
77) Bromobenzene	11.59	156	74955	22.846	ug/l	99
78) n-propylbenzene	11.68	91	434276	24.726	ug/l	99
79) 2-Chlorotoluene	11.80	91	258975	25.218	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	304721	24.866	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	24690m	24.184	ug/l	
82) 4-Chlorotoluene	11.98	91	257594	24.956	ug/l	99
83) tert-Butylbenzene	12.21	119	305638	24.603	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	297224	23.885	ug/l	94
85) sec-Butylbenzene	12.38	105	417510	24.621	ug/l	96
86) p-Isopropyltoluene	12.53	119	338952	25.434	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	148507	24.223	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	138017	22.776	ug/l	93
89) n-Butylbenzene	12.91	91	371900	25.591	ug/l	95
90) Hexachloroethane	12.99	117	84400	24.279	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	141170	24.138	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12212	24.108	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	101919	23.976	ug/l	97
94) Hexachlorobutadiene	14.25	225	70047	24.376	ug/l	100
95) Naphthalene	14.51	128	175650	23.568	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	102244	26.030	ug/l	96

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

