

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060371.D
 Acq On : 28 Sep 2018 17:07
 Operator : VA/AP
 Sample : VF0928SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBS01

Manual Integrations
 APPROVED

apatel
 10/1/2018 3:03:52 PM

Quant Time: Sep 29 00:41:48 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	211627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	339823	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	307804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	182002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	171595	60.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.44%	
35) Dibromofluoromethane	4.28	113	169542	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
50) Toluene-d8	7.69	98	407262	51.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.51	95	197625	57.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	105149	30.774	ug/l	94
3) Chloromethane	1.14	50	69029	23.936	ug/l	94
4) Vinyl Chloride	1.18	62	71605	24.363	ug/l	100
5) Bromomethane	1.35	94	56530	31.505	ug/l	83
6) Chloroethane	1.43	64	36095	25.787	ug/l	92
7) Trichlorofluoromethane	1.55	101	169337	30.926	ug/l	99
8) Diethyl Ether	1.70	74	22387	24.574	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.89	101	79888	27.434	ug/l #	90
10) Methyl Iodide	1.96	142	123038	26.201	ug/l	86
11) Tert butyl alcohol	2.68	59	24460	146.909	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	60750	25.225	ug/l	99
13) Acrolein	2.09	56	7432	100.689	ug/l	88
14) Allyl chloride	2.18	41	105352	25.068	ug/l #	80
15) Acrylonitrile	3.06	53	44644	110.927	ug/l	97
16) Acetone	2.33	43	105014	130.856	ug/l	98
17) Carbon Disulfide	1.88	76	184238	27.318	ug/l	99
18) Methyl Acetate	2.45	43	28945	21.650	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	158957	26.476	ug/l	99
20) Methylene Chloride	2.27	84	71212m	29.860	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	64360	25.875	ug/l	96
22) Diisopropyl ether	2.92	45	182372	23.000	ug/l	92
23) Vinyl Acetate	3.32	43	361387	116.045	ug/l	98
24) 1,1-Dichloroethane	2.99	63	124691	24.248	ug/l	98
25) 2-Butanone	4.50	43	121684	112.651	ug/l	96
26) 2,2-Dichloropropane	3.75	77	80079	27.292	ug/l	90
27) cis-1,2-Dichloroethene	3.62	96	75060	22.970	ug/l	96
28) Bromochloromethane	3.87	49	45896	22.924	ug/l	87
29) Tetrahydrofuran	4.24	42	41406	104.675	ug/l	98
30) Chloroform	4.02	83	160784	25.913	ug/l	97
31) Cyclohexane	3.85	56	97765	22.508	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	136117	27.802	ug/l	93
36) 1,1-Dichloropropene	4.45	75	114140	26.927	ug/l	91
37) Ethyl Acetate	4.27	43	43906	24.480	ug/l	100
38) Carbon Tetrachloride	4.16	117	149033	32.733	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	107530	23.406	ug/l	96
40) Benzene	4.80	78	229145	23.841	ug/l	99
41) Methacrylonitrile	4.90	41	22106	22.714	ug/l #	84
42) 1,2-Dichloroethane	5.10	62	103115	29.147	ug/l	90
43) Isopropyl Acetate	7.10	43	50437	23.359	ug/l #	98
44) Trichloroethene	5.66	130	69193	24.190	ug/l	89
45) 1,2-Dichloropropane	6.39	63	58885	23.672	ug/l #	87
46) Dibromomethane	6.24	93	42625	23.973	ug/l	95
47) Bromodichloromethane	6.54	83	109327	25.586	ug/l	98
48) Methyl methacrylate	6.86	41	34995	23.088	ug/l #	89
49) 1,4-Dioxane	6.84	88	7137	527.060	ug/l #	86
51) 4-Methyl-2-Pentanone	8.39	43	186356	111.980	ug/l	98
52) Toluene	7.77	92	144862	23.824	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	89487	25.963	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	103611	23.862	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	42153	22.841	ug/l #	87
56) Ethyl methacrylate	8.74	69	52369	23.496	ug/l #	92
57) 1,3-Dichloropropane	8.98	76	75686	24.769	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.77	63	26288	133.417	ug/l	100
59) 2-Hexanone	9.62	43	146653	123.767	ug/l	96
60) Dibromochloromethane	8.85	129	68158	24.779	ug/l	91
61) 1,2-Dibromoethane	9.12	107	50237	24.445	ug/l	100
64) Tetrachloroethene	8.29	164	61716	22.118	ug/l	92
65) Chlorobenzene	9.93	112	165534	23.728	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	74160	25.616	ug/l	95
67) Ethyl Benzene	10.03	91	317592	24.622	ug/l	98
68) m/p-Xylenes	10.25	106	210221	47.174	ug/l	95
69) o-Xylene	10.82	106	123041	24.616	ug/l	94
70) Styrene	10.89	104	173579	24.625	ug/l	96
71) Bromoform	10.88	173	37979	23.886	ug/l #	99
73) Isopropylbenzene	11.22	105	371605	22.744	ug/l	99
74) N-amyl acetate	11.46	43	88101	25.286	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.77	83	66450	22.949	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	48522	23.403	ug/l	87
77) Bromobenzene	11.58	156	82027	23.295	ug/l	91
78) n-propylbenzene	11.68	91	454923	23.895	ug/l	98
79) 2-Chlorotoluene	11.80	91	256390	23.263	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	325308	24.734	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	23368m	21.327	ug/l	
82) 4-Chlorotoluene	11.98	91	263588	23.795	ug/l	94
83) tert-Butylbenzene	12.20	119	323799	24.286	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	327665	24.535	ug/l	100
85) sec-Butylbenzene	12.38	105	440886	24.064	ug/l	98
86) p-Isopropyltoluene	12.53	119	352817	24.384	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	150257	22.836	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	152797	23.494	ug/l	96
89) n-Butylbenzene	12.91	91	390443	24.903	ug/l	95
90) Hexachloroethane	12.98	117	88168	23.633	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	152042	24.223	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12037	22.141	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	113788	24.941	ug/l	95
94) Hexachlorobutadiene	14.25	225	77062	24.987	ug/l	92
95) Naphthalene	14.51	128	196985	24.627	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	106134	25.176	ug/l	96

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

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