

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060349.D
 Acq On : 26 Sep 2018 14:01
 Operator : VA/AP
 Sample : VF0926SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Manual Integrations
 APPROVED

apatel
 9/27/2018 9:56:16 AM

Quant Time: Sep 26 17:19:43 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	245933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	420902	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	372172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	168497	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	4.28	113	186000	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	7.70	98	444226	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
62) 4-Bromofluorobenzene	11.50	95	210648	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	111429	27.443	ug/l	97
3) Chloromethane	1.13	50	82494	24.615	ug/l	96
4) Vinyl Chloride	1.17	62	84152	24.638	ug/l	98
5) Bromomethane	1.36	94	57854	26.772	ug/l #	75
6) Chloroethane	1.44	64	38025	23.376	ug/l	96
7) Trichlorofluoromethane	1.53	101	161863	25.437	ug/l	99
8) Diethyl Ether	1.69	74	26666	25.188	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.90	101	87599	25.886	ug/l	89
10) Methyl Iodide	1.97	142	133412m	24.447	ug/l	
11) Tert butyl alcohol	2.68	59	27978	144.317	ug/l	99
12) 1,1-Dichloroethene	1.86	96	71739	25.633	ug/l	97
13) Acrolein	2.08	56	10238	141.514	ug/l	97
14) Allyl chloride	2.18	41	112035	22.940	ug/l	94
15) Acrylonitrile	3.07	53	53306	113.973	ug/l	89
16) Acetone	2.34	43	113908	122.139	ug/l	99
17) Carbon Disulfide	1.87	76	216213	27.665	ug/l #	93
18) Methyl Acetate	2.44	43	35578	22.900	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	166639	23.884	ug/l	95
20) Methylene Chloride	2.27	84	77957m	27.622	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	71775	24.831	ug/l	96
22) Diisopropyl ether	2.92	45	225872	24.513	ug/l	97
23) Vinyl Acetate	3.32	43	453896	125.420	ug/l	98
24) 1,1-Dichloroethane	3.00	63	148848	24.908	ug/l #	97
25) 2-Butanone	4.50	43	140236	111.716	ug/l	100
26) 2,2-Dichloropropane	3.75	77	82342	24.149	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	93880	24.722	ug/l	87
28) Bromochloromethane	3.87	49	54167	23.281	ug/l #	80
29) Tetrahydrofuran	4.25	42	51263	111.516	ug/l	100
30) Chloroform	4.02	83	172296	23.895	ug/l	94
31) Cyclohexane	3.84	56	116836	23.146	ug/l	88
32) 1,1,1-Trichloroethane	4.27	97	135033	23.733	ug/l	98
36) 1,1-Dichloropropene	4.46	75	128798	24.532	ug/l	92
37) Ethyl Acetate	4.27	43	46224	20.808	ug/l #	76
38) Carbon Tetrachloride	4.16	117	124415	22.062	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	131393	23.091	ug/l	93
40) Benzene	4.80	78	286005	24.025	ug/l	99
41) Methacrylonitrile	4.91	41	25296	20.985	ug/l	91
42) 1,2-Dichloroethane	5.11	62	103974	23.728	ug/l	99
43) Isopropyl Acetate	7.11	43	58442	21.853	ug/l	90
44) Trichloroethene	5.67	130	84137	23.748	ug/l	97
45) 1,2-Dichloropropane	6.39	63	71924	23.344	ug/l	94
46) Dibromomethane	6.25	93	49058	22.276	ug/l	97
47) Bromodichloromethane	6.53	83	119338	22.549	ug/l #	93
48) Methyl methacrylate	6.86	41	37334	19.887	ug/l	95
49) 1,4-Dioxane	6.85	88	7162	427.022	ug/l #	71
51) 4-Methyl-2-Pentanone	8.40	43	210905	102.319	ug/l	96
52) Toluene	7.77	92	171807	22.813	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	99357	23.274	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	123471	22.958	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	50543	22.112	ug/l	91
56) Ethyl methacrylate	8.75	69	55626	20.150	ug/l	98
57) 1,3-Dichloropropane	8.99	76	87626	23.152	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	28688	117.551	ug/l	100
59) 2-Hexanone	9.62	43	145789	99.337	ug/l	96
60) Dibromochloromethane	8.85	129	77700	22.807	ug/l	97
61) 1,2-Dibromoethane	9.13	107	57807	22.711	ug/l	95
64) Tetrachloroethene	8.30	164	73071	21.658	ug/l	98
65) Chlorobenzene	9.94	112	197035	23.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	83745	23.924	ug/l	94
67) Ethyl Benzene	10.03	91	365095	23.410	ug/l	99
68) m/p-Xylenes	10.26	106	252980	46.950	ug/l	97
69) o-Xylene	10.82	106	116921	19.346	ug/l	99
70) Styrene	10.90	104	190676	22.372	ug/l	95
71) Bromoform	10.88	173	42982	22.357	ug/l	95
73) Isopropylbenzene	11.23	105	414479	24.081	ug/l	97
74) N-amyl acetate	11.46	43	84762	23.094	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	70031	22.958	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	49096	22.479	ug/l	90
77) Bromobenzene	11.59	156	85500	23.050	ug/l	97
78) n-propylbenzene	11.68	91	488853	24.575	ug/l	97
79) 2-Chlorotoluene	11.81	91	274136	23.611	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	326498	23.565	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	23254m	20.147	ug/l	
82) 4-Chlorotoluene	11.99	91	267446	22.918	ug/l	100
83) tert-Butylbenzene	12.21	119	338386	24.093	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	327786	23.299	ug/l	100
85) sec-Butylbenzene	12.38	105	454871	23.361	ug/l	94
86) p-Isopropyltoluene	12.54	119	363727	23.661	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	153672	22.170	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	156033	22.775	ug/l	96
89) n-Butylbenzene	12.91	91	390795	23.368	ug/l	98
90) Hexachloroethane	12.99	117	92018	23.413	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	148542	22.465	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12264	21.414	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	109825	22.851	ug/l	98
94) Hexachlorobutadiene	14.25	225	73849	22.730	ug/l	97
95) Naphthalene	14.52	128	172533	20.476	ug/l	96
96) 1,2,3-Trichlorobenzene	14.67	180	99299	22.360	ug/l	96

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

