

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059386.D
 Acq On : 2 Jul 2018 14:50
 Operator : VA/AP
 Sample : VF0702SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:34:38 AM

Quant Time: Jul 03 01:26:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	268307	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	409883	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	400308	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	257714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	157603	45.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.92%	
35) Dibromofluoromethane	4.26	113	132929	44.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.78%	
50) Toluene-d8	7.69	98	321153	43.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.62%	
62) 4-Bromofluorobenzene	11.50	95	185284	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	54027	22.04	ug/l	98
3) Chloromethane	1.07	50	34073	20.69	ug/l	96
4) Vinyl Chloride	1.13	62	36788	22.69	ug/l	92
5) Bromomethane	1.33	94	21949	21.40	ug/l	95
6) Chloroethane	1.43	64	16090	19.71	ug/l	100
7) Trichlorofluoromethane	1.52	101	74087m	23.11	ug/l	
8) Diethyl Ether	1.68	74	17140	20.85	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	42826	22.89	ug/l	97
10) Methyl Iodide	1.95	142	68337	20.03	ug/l	96
11) Tert butyl alcohol	2.67	59	24053	104.23	ug/l #	88
12) 1,1-Dichloroethene	1.84	96	33826	21.38	ug/l	98
13) Acrolein	2.08	56	12408	101.26	ug/l	98
14) Allyl chloride	2.18	41	68143	22.95	ug/l	92
15) Acrylonitrile	3.05	53	42980	105.76	ug/l	99
16) Acetone	2.32	43	103617	114.14	ug/l	99
17) Carbon Disulfide	1.85	76	77529m	20.84	ug/l	
18) Methyl Acetate	2.43	43	34020	21.07	ug/l #	90
19) Methyl tert-butyl Ether	2.52	73	130326	22.09	ug/l	96
20) Methylene Chloride	2.30	84	57703m	26.16	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	35654	21.13	ug/l	95
22) Diisopropyl ether	2.90	45	149495	22.74	ug/l	98
23) Vinyl Acetate	3.31	43	481500	114.98	ug/l	98
24) 1,1-Dichloroethane	2.97	63	90933	22.30	ug/l	97
25) 2-Butanone	4.49	43	123134	115.95	ug/l	98
26) 2,2-Dichloropropane	3.73	77	66235	23.56	ug/l	100
27) cis-1,2-Dichloroethene	3.60	96	57616	22.49	ug/l	80
28) Bromochloromethane	3.86	49	39796	23.14	ug/l	98
29) Tetrahydrofuran	4.24	42	54751	118.13	ug/l	96
30) Chloroform	4.01	83	130508	22.11	ug/l	96
31) Cyclohexane	3.84	56	58399	21.87	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	98294	22.76	ug/l	92
36) 1,1-Dichloropropene	4.43	75	80180	22.39	ug/l	98
37) Ethyl Acetate	4.26	43	56101	23.71	ug/l #	88
38) Carbon Tetrachloride	4.15	117	103515	22.91	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	71128	22.42	ug/l	91
40) Benzene	4.78	78	167395	21.08	ug/l	98
41) Methacrylonitrile	4.90	41	26371	21.59	ug/l	93
42) 1,2-Dichloroethane	5.09	62	103797	22.37	ug/l	97
43) Isopropyl Acetate	7.08	43	63073	21.15	ug/l #	90
44) Trichloroethene	5.64	130	61925	22.74	ug/l	95
45) 1,2-Dichloropropane	6.38	63	48762	21.50	ug/l	96
46) Dibromomethane	6.23	93	43641	22.17	ug/l	94
47) Bromodichloromethane	6.52	83	103089	21.63	ug/l	90
48) Methyl methacrylate	6.85	41	42998	21.51	ug/l	97
49) 1,4-Dioxane	6.85	88	4900	435.40	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	251752	113.94	ug/l	99
52) Toluene	7.75	92	129680	21.83	ug/l	91
53) t-1,3-Dichloropropene	8.40	75	99922	23.00	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	100272	21.25	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	51583	22.36	ug/l	94
56) Ethyl methacrylate	8.74	69	62216	21.77	ug/l	93
57) 1,3-Dichloropropane	8.98	76	86418	21.85	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.75	63	24950	116.43	ug/l	100
59) 2-Hexanone	9.61	43	212585	119.23	ug/l	100
60) Dibromochloromethane	8.85	129	79631	22.36	ug/l	96
61) 1,2-Dibromoethane	9.11	107	60527	21.64	ug/l	100
64) Tetrachloroethene	8.29	164	59984	23.10	ug/l	92
65) Chlorobenzene	9.92	112	169141	22.80	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	75967	23.68	ug/l	98
67) Ethyl Benzene	10.02	91	292832	23.27	ug/l	98
68) m/p-Xylenes	10.25	106	214291	47.84	ug/l	96
69) o-Xylene	10.81	106	110693	22.10	ug/l	92
70) Styrene	10.89	104	176114	23.08	ug/l	99
71) Bromoform	10.87	173	50160	22.81	ug/l	99
73) Isopropylbenzene	11.21	105	343782	22.90	ug/l	99
74) N-amyl acetate	11.45	43	123347	22.64	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79813	21.05	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	61000	21.33	ug/l	100
77) Bromobenzene	11.58	156	90988	21.84	ug/l	94
78) n-propylbenzene	11.68	91	423248	23.47	ug/l	97
79) 2-Chlorotoluene	11.80	91	248301	22.54	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	296369	22.53	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	38319	22.51	ug/l	95
82) 4-Chlorotoluene	11.97	91	260367	22.07	ug/l	93
83) tert-Butylbenzene	12.20	119	318290	24.20	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	311228	22.47	ug/l	98
85) sec-Butylbenzene	12.38	105	404460	23.20	ug/l	99
86) p-Isopropyltoluene	12.53	119	328035	22.42	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	167538	21.76	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	169926	22.84	ug/l	99
89) n-Butylbenzene	12.91	91	355952	23.96	ug/l	97
90) Hexachloroethane	12.98	117	84059	23.05	ug/l	80
91) 1,2-Dichlorobenzene	13.01	146	172575	22.82	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17705	21.06	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	132658	23.72	ug/l	95
94) Hexachlorobutadiene	14.25	225	77536	24.83	ug/l	97
95) Naphthalene	14.53	128	258640	22.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	122744	23.17	ug/l	95

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

