

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059357.D
 Acq On : 28 Jun 2018 13:41
 Operator : VA/AP
 Sample : VF0628SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Manual Integrations
 APPROVED

apatel
 6/29/2018 11:27:16 AM

Quant Time: Jun 29 04:42:27 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	5.04	168	267845	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	414902	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	414946	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	257050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	157895	45.63	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.26%	
35) Dibromofluoromethane	4.30	113	138629	45.73	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.46%	
50) Toluene-d8	7.72	98	351443	46.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.51	95	199172	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	52245	21.35	ug/l	88
3) Chloromethane	1.08	50	33202	20.20	ug/l	100
4) Vinyl Chloride	1.15	62	33739	20.85	ug/l	95
5) Bromomethane	1.34	94	24796	25.08	ug/l	94
6) Chloroethane	1.43	64	19300	23.68	ug/l #	86
7) Trichlorofluoromethane	1.49	101	71578m	22.37	ug/l	
8) Diethyl Ether	1.70	74	15670	19.10	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41229	22.07	ug/l	96
10) Methyl Iodide	1.97	142	73379	21.54	ug/l	94
11) Tert butyl alcohol	2.69	59	21597	93.75	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	33571	21.26	ug/l	95
13) Acrolein	2.09	56	12633	103.69	ug/l	82
14) Allyl chloride	2.19	41	62019	20.92	ug/l	97
15) Acrylonitrile	3.07	53	39896	98.34	ug/l	95
16) Acetone	2.34	43	96517	105.79	ug/l	95
17) Carbon Disulfide	1.87	76	75104	20.22	ug/l	95
18) Methyl Acetate	2.45	43	27950	17.13	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	121987	20.71	ug/l	100
20) Methylene Chloride	2.27	84	38930m	14.87	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35517	21.08	ug/l	93
22) Diisopropyl ether	2.92	45	139875	21.31	ug/l	99
23) Vinyl Acetate	3.34	43	436982	104.53	ug/l	100
24) 1,1-Dichloroethane	3.00	63	87733	21.56	ug/l	98
25) 2-Butanone	4.51	43	114792	108.10	ug/l	99
26) 2,2-Dichloropropane	3.76	77	66290	23.62	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	55160	21.57	ug/l	96
28) Bromochloromethane	3.89	49	37827	21.81	ug/l	95
29) Tetrahydrofuran	4.26	42	47548	101.57	ug/l	96
30) Chloroform	4.04	83	121959	20.70	ug/l	95
31) Cyclohexane	3.86	56	54210	20.33	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	95935	22.25	ug/l	96
36) 1,1-Dichloropropene	4.46	75	74539	20.57	ug/l	98
37) Ethyl Acetate	4.30	43	49513	20.48	ug/l	85
38) Carbon Tetrachloride	4.17	117	101909m	22.28	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	68632	21.37	ug/l	92
40) Benzene	4.81	78	163709	20.37	ug/l	98
41) Methacrylonitrile	4.93	41	22036	17.82	ug/l	94
42) 1,2-Dichloroethane	5.12	62	95431	20.32	ug/l	99
43) Isopropyl Acetate	7.11	43	60859	20.16	ug/l #	99
44) Trichloroethene	5.68	130	57920	21.01	ug/l	98
45) 1,2-Dichloropropane	6.40	63	48529	21.14	ug/l	99
46) Dibromomethane	6.26	93	40685	20.42	ug/l	88
47) Bromodichloromethane	6.55	83	97845	20.28	ug/l	100
48) Methyl methacrylate	6.88	41	36961	18.27	ug/l	92
49) 1,4-Dioxane	6.87	88	4208	362.65	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	220363	98.52	ug/l	99
52) Toluene	7.78	92	124287	20.67	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	91486	20.81	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	94963	19.88	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	48734	20.87	ug/l	91
56) Ethyl methacrylate	8.76	69	55678	19.25	ug/l	93
57) 1,3-Dichloropropane	9.01	76	84726	21.16	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	23365	107.71	ug/l	100
59) 2-Hexanone	9.63	43	194189	105.82	ug/l	96
60) Dibromochloromethane	8.87	129	74392	20.64	ug/l	95
61) 1,2-Dibromoethane	9.13	107	56769	20.05	ug/l	100
64) Tetrachloroethene	8.31	164	57021	21.19	ug/l	90
65) Chlorobenzene	9.94	112	157559	20.49	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	69647	20.94	ug/l	92
67) Ethyl Benzene	10.04	91	292421	22.42	ug/l	99
68) m/p-Xylenes	10.27	106	211466	45.55	ug/l	99
69) o-Xylene	10.83	106	114067	21.97	ug/l	99
70) Styrene	10.90	104	173347	21.91	ug/l	99
71) Bromoform	10.89	173	44834	19.67	ug/l	98
73) Isopropylbenzene	11.23	105	336458	22.47	ug/l	97
74) N-amyl acetate	11.46	43	110462	20.33	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	76371	20.19	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	58427	20.48	ug/l	95
77) Bromobenzene	11.60	156	84317	20.29	ug/l	84
78) n-propylbenzene	11.69	91	396973	22.07	ug/l	95
79) 2-Chlorotoluene	11.82	91	237134	21.58	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	288415	21.99	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	34529	20.34	ug/l	88
82) 4-Chlorotoluene	11.99	91	253845	21.57	ug/l	95
83) tert-Butylbenzene	12.22	119	298270	22.73	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	302824	21.92	ug/l	98
85) sec-Butylbenzene	12.39	105	389961	22.42	ug/l	96
86) p-Isopropyltoluene	12.54	119	329598	22.58	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	163591	21.20	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	156369	21.07	ug/l	99
89) n-Butylbenzene	12.92	91	352266	23.78	ug/l	97
90) Hexachloroethane	13.00	117	82864	22.78	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	160436	21.27	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15612	18.62	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	124683	22.36	ug/l	98
94) Hexachlorobutadiene	14.26	225	72784	23.36	ug/l	96
95) Naphthalene	14.53	128	238965	20.48	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	115304	21.82	ug/l	99

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

