

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060175.D
 Acq On : 29 Aug 2018 5:05
 Operator : VA/AP
 Sample : VF0829SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:02:21 PM

Quant Time: Aug 29 07:49:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	76246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	83221	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	64304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	31385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	20840	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
35) Dibromofluoromethane	4.28	113	24265	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
50) Toluene-d8	7.70	98	90448	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.50	95	29693	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	29204	18.61	ug/l	96
3) Chloromethane	1.07	50	11714	20.03	ug/l	98
4) Vinyl Chloride	1.12	62	11535	19.68	ug/l	98
5) Bromomethane	1.32	94	5094	17.39	ug/l #	75
6) Chloroethane	1.41	64	7009	20.00	ug/l	98
7) Trichlorofluoromethane	1.49	101	54007	20.13	ug/l	95
8) Diethyl Ether	1.68	74	1961	19.57	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.86	101	23189	19.65	ug/l	97
10) Methyl Iodide	1.93	142	9511	16.82	ug/l #	92
11) Tert butyl alcohol	2.61	59	647	96.65	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	15061	20.47	ug/l	94
13) Acrolein	2.08	56	888	88.21	ug/l #	66
14) Allyl chloride	2.19	41	10791	17.66	ug/l	90
15) Acrylonitrile	3.06	53	2234	96.51	ug/l #	84
16) Acetone	2.31	43	5178	76.68	ug/l	100
17) Carbon Disulfide	1.84	76	41736	19.31	ug/l	98
18) Methyl Acetate	2.44	43	2625	25.78	ug/l #	67
19) Methyl tert-butyl Ether	2.51	73	9042	16.68	ug/l #	88
20) Methylene Chloride	2.27	84	6309	14.35	ug/l #	77
21) trans-1,2-Dichloroethene	2.40	96	11158	17.96	ug/l	96
22) Diisopropyl ether	2.90	45	19375	19.27	ug/l #	90
23) Vinyl Acetate	3.30	43	20962	89.32	ug/l	98
24) 1,1-Dichloroethane	2.98	63	19504	18.64	ug/l	96
25) 2-Butanone	4.47	43	4720	84.14	ug/l	99
26) 2,2-Dichloropropane	3.73	77	11114	16.17	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	7537	17.25	ug/l	95
28) Bromochloromethane	3.87	49	4042	17.94	ug/l #	74
29) Tetrahydrofuran	4.22	42	2779	104.64	ug/l	94
30) Chloroform	4.02	83	21073	17.95	ug/l	96
31) Cyclohexane	3.86	56	21404	21.34	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	29569	17.62	ug/l	89
36) 1,1-Dichloropropene	4.45	75	23178	20.18	ug/l	93
37) Ethyl Acetate	4.25	43	3284	23.69	ug/l #	29
38) Carbon Tetrachloride	4.16	117	31118	19.68	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	25557	22.98	ug/l	91
40) Benzene	4.80	78	30196	19.31	ug/l	97
41) Methacrylonitrile	4.88	41	1233	15.36	ug/l #	89
42) 1,2-Dichloroethane	5.10	62	10308	18.31	ug/l	94
43) Isopropyl Acetate	7.10	43	2912	16.32	ug/l #	77
44) Trichloroethene	5.67	130	13348	19.90	ug/l	78
45) 1,2-Dichloropropane	6.40	63	5470	16.53	ug/l	96
46) Dibromomethane	6.24	93	2332	13.76	ug/l #	37
47) Bromodichloromethane	6.53	83	11683	17.93	ug/l #	95
48) Methyl methacrylate	6.86	41	2640	19.01	ug/l #	73
49) 1,4-Dioxane	6.86	88	302	382.56	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	14654	94.02	ug/l #	83
52) Toluene	7.78	92	23725	19.64	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	5900	16.50	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	7889	18.05	ug/l #	86
55) 1,1,2-Trichloroethane	8.63	97	3440	16.63	ug/l #	81
56) Ethyl methacrylate	8.75	69	3100	18.48	ug/l	86
57) 1,3-Dichloropropane	8.99	76	6311	17.61	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	5420	108.64	ug/l	100
59) 2-Hexanone	9.62	43	8781	80.27	ug/l	96
60) Dibromochloromethane	8.86	129	6319	18.43	ug/l	68
61) 1,2-Dibromoethane	9.13	107	3306	15.60	ug/l	97
64) Tetrachloroethene	8.30	164	19102	24.13	ug/l	96
65) Chlorobenzene	9.93	112	24687	19.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	8072	18.64	ug/l	96
67) Ethyl Benzene	10.03	91	61655	20.99	ug/l	97
68) m/p-Xylenes	10.26	106	42828	42.54	ug/l	94
69) o-Xylene	10.82	106	17469	20.28	ug/l	73
70) Styrene	10.90	104	22451	21.09	ug/l	97
71) Bromoform	10.88	173	2823	18.14	ug/l	100
73) Isopropylbenzene	11.23	105	75552	21.98	ug/l	97
74) N-amyl acetate	11.46	43	4129	16.05	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.78	83	4142	17.97	ug/l #	75
76) 1,2,3-Trichloropropane	11.88	75	3903	19.74	ug/l	87
77) Bromobenzene	11.59	156	9984	19.95	ug/l	90
78) n-propylbenzene	11.68	91	91513	22.12	ug/l	100
79) 2-Chlorotoluene	11.81	91	40940	21.29	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	51623	19.82	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	640m	14.74	ug/l	
82) 4-Chlorotoluene	11.98	91	38528	20.43	ug/l	99
83) tert-Butylbenzene	12.21	119	62669	22.96	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	45507	20.53	ug/l	98
85) sec-Butylbenzene	12.38	105	93225	22.82	ug/l	96
86) p-Isopropyltoluene	12.54	119	70372	23.21	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	22148	20.70	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	19604	20.32	ug/l	94
89) n-Butylbenzene	12.92	91	56188	21.33	ug/l	90
90) Hexachloroethane	12.99	117	14447	22.21	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	16796	20.31	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	13.71	75	879	22.26	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	6832	19.20	ug/l	91
94) Hexachlorobutadiene	14.25	225	14602	19.95	ug/l	90
95) Naphthalene	14.52	128	4782	19.42	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.67	180	4924	18.07	ug/l	89

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

