

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059871.D
 Acq On : 4 Aug 2018 8:24
 Operator : VA/AP
 Sample : VF0804SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:22 AM

Quant Time: Aug 06 02:32:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	213355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	306685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	305497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	197522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	193462	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	4.30	113	152204	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	7.72	98	346700	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	11.51	95	195973	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	66138	18.14	ug/l	99
3) Chloromethane	1.08	50	34043	20.19	ug/l	91
4) Vinyl Chloride	1.15	62	32158	18.62	ug/l	91
5) Bromomethane	1.34	94	27391	16.80	ug/l	96
6) Chloroethane	1.42	64	20618	19.00	ug/l	99
7) Trichlorofluoromethane	1.54	101	84607m	17.90	ug/l	
8) Diethyl Ether	1.70	74	13207	17.60	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45479	17.43	ug/l	98
10) Methyl Iodide	1.96	142	74096	18.49	ug/l	97
11) Tert butyl alcohol	2.69	59	12948	83.45	ug/l	100
12) 1,1-Dichloroethene	1.85	96	36076	18.93	ug/l	89
13) Acrolein	2.10	56	5745	61.79	ug/l #	69
14) Allyl chloride	2.19	41	54984	17.30	ug/l	93
15) Acrylonitrile	3.07	53	22561	79.35	ug/l #	76
16) Acetone	2.35	43	63523	89.46	ug/l	98
17) Carbon Disulfide	1.89	76	96486	18.96	ug/l	98
18) Methyl Acetate	2.45	43	21201	17.70	ug/l #	90
19) Methyl tert-butyl Ether	2.54	73	98268	18.21	ug/l	97
20) Methylene Chloride	2.28	84	40437	19.18	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	35144	18.56	ug/l	96
22) Diisopropyl ether	2.94	45	113783	18.61	ug/l #	93
23) Vinyl Acetate	3.34	43	282544	95.48	ug/l	99
24) 1,1-Dichloroethane	3.01	63	81609	18.33	ug/l	98
25) 2-Butanone	4.51	43	70633	91.48	ug/l	98
26) 2,2-Dichloropropane	3.76	77	49417	19.07	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	41771	19.62	ug/l	83
28) Bromochloromethane	3.89	49	31084	19.77	ug/l	86
29) Tetrahydrofuran	4.27	42	29355	103.27	ug/l	91
30) Chloroform	4.04	83	109262	18.14	ug/l	98
31) Cyclohexane	3.86	56	46085	20.92	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	88638	18.40	ug/l	98
36) 1,1-Dichloropropene	4.46	75	64807	18.27	ug/l	94
37) Ethyl Acetate	4.30	43	33701	22.13	ug/l	80
38) Carbon Tetrachloride	4.18	117	106088	20.89	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	55658	20.92	ug/l	98
40) Benzene	4.82	78	130634	19.61	ug/l	97
41) Methacrylonitrile	4.93	41	13289	16.53	ug/l #	79
42) 1,2-Dichloroethane	5.13	62	85539	17.41	ug/l	97
43) Isopropyl Acetate	7.12	43	30522	19.46	ug/l	92
44) Trichloroethene	5.68	130	47183	19.97	ug/l	92
45) 1,2-Dichloropropane	6.41	63	30489	18.73	ug/l	93
46) Dibromomethane	6.27	93	30752	18.72	ug/l	87
47) Bromodichloromethane	6.55	83	81399	18.12	ug/l	92
48) Methyl methacrylate	6.88	41	22591	18.52	ug/l #	88
49) 1,4-Dioxane	6.87	88	2763	370.28	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	154971	96.64	ug/l	98
52) Toluene	7.79	92	88521	19.76	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	64759	18.95	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	69194	19.62	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	33078	20.51	ug/l	99
56) Ethyl methacrylate	8.77	69	29305	18.81	ug/l	86
57) 1,3-Dichloropropane	9.01	76	52793	19.06	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.79	63	19275	90.33	ug/l	100
59) 2-Hexanone	9.64	43	111030	98.02	ug/l	96
60) Dibromochloromethane	8.87	129	56034	18.52	ug/l	92
61) 1,2-Dibromoethane	9.15	107	37574	19.12	ug/l	100
64) Tetrachloroethene	8.31	164	52931	20.08	ug/l	98
65) Chlorobenzene	9.95	112	117965	19.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	56176	18.21	ug/l	91
67) Ethyl Benzene	10.04	91	211488	19.58	ug/l	93
68) m/p-Xylenes	10.27	106	150578	40.32	ug/l	98
69) o-Xylene	10.83	106	82505	20.86	ug/l	93
70) Styrene	10.91	104	121272	20.54	ug/l	96
71) Bromoform	10.89	173	35133	18.59	ug/l	95
73) Isopropylbenzene	11.24	105	263699	21.43	ug/l	100
74) N-amyl acetate	11.46	43	57093	20.60	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	46150	19.98	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	38949	19.63	ug/l	92
77) Bromobenzene	11.60	156	66513	19.88	ug/l	94
78) n-propylbenzene	11.69	91	308578	21.24	ug/l	100
79) 2-Chlorotoluene	11.82	91	188740	20.54	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	231263	20.24	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	12986m	18.22	ug/l	
82) 4-Chlorotoluene	12.00	91	196037	19.64	ug/l	96
83) tert-Butylbenzene	12.22	119	232833	20.94	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	246496	20.98	ug/l	99
85) sec-Butylbenzene	12.39	105	306974	20.78	ug/l	99
86) p-Isopropyltoluene	12.54	119	258966	20.85	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	130280	20.55	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	124128	19.95	ug/l	99
89) n-Butylbenzene	12.92	91	247334	20.90	ug/l	99
90) Hexachloroethane	13.00	117	70039	20.44	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	125694	20.60	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10827	18.59	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	92599	19.99	ug/l	96
94) Hexachlorobutadiene	14.26	225	66460	20.31	ug/l	99
95) Naphthalene	14.53	128	160780	20.05	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	90702	19.83	ug/l	97

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

