

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059872.D
 Acq On : 4 Aug 2018 8:52
 Operator : VA/AP
 Sample : VF0804SBSD02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBSD02

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 02:34:00 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	191328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	285109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	277371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	187560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	175492	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	4.30	113	140753	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	7.71	98	330100	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
62) 4-Bromofluorobenzene	11.52	95	181460	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	65109	19.92	ug/l	99
3) Chloromethane	1.09	50	35520	23.49	ug/l	99
4) Vinyl Chloride	1.16	62	33871	21.86	ug/l	98
5) Bromomethane	1.33	94	27419	18.75	ug/l	92
6) Chloroethane	1.42	64	19912	20.46	ug/l	98
7) Trichlorofluoromethane	1.53	101	80140m	18.90	ug/l	
8) Diethyl Ether	1.70	74	12930	19.22	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	48231	20.61	ug/l	93
10) Methyl Iodide	1.97	142	73459	20.44	ug/l	98
11) Tert butyl alcohol	2.69	59	12634	90.80	ug/l	95
12) 1,1-Dichloroethene	1.86	96	34722	20.32	ug/l	84
13) Acrolein	2.09	56	5499	65.95	ug/l	93
14) Allyl chloride	2.19	41	57481	20.17	ug/l	98
15) Acrylonitrile	3.07	53	25481	99.94	ug/l #	95
16) Acetone	2.34	43	64389	101.12	ug/l	96
17) Carbon Disulfide	1.89	76	98548m	21.60	ug/l	
18) Methyl Acetate	2.46	43	22939	21.35	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	94365	19.50	ug/l #	90
20) Methylene Chloride	2.28	84	40713	22.38	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	36531	21.52	ug/l	99
22) Diisopropyl ether	2.93	45	112898	20.60	ug/l	93
23) Vinyl Acetate	3.34	43	285252	107.49	ug/l	97
24) 1,1-Dichloroethane	3.00	63	77450	19.40	ug/l	97
25) 2-Butanone	4.52	43	71932	103.89	ug/l	98
26) 2,2-Dichloropropane	3.77	77	50238	21.62	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	43950	23.02	ug/l	94
28) Bromochloromethane	3.90	49	30981	21.98	ug/l	95
29) Tetrahydrofuran	4.25	42	26858	105.37	ug/l	100
30) Chloroform	4.04	83	112279	20.79	ug/l	93
31) Cyclohexane	3.88	56	40556	20.53	ug/l	90
32) 1,1,1-Trichloroethane	4.28	97	86013	19.91	ug/l	99
36) 1,1-Dichloropropene	4.46	75	64976	19.70	ug/l	96
37) Ethyl Acetate	4.29	43	29723	20.99	ug/l #	79
38) Carbon Tetrachloride	4.17	117	95117	20.15	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.63	83	50574	20.45	ug/l #	85
40) Benzene	4.81	78	119109	19.17	ug/l	98
41) Methacrylonitrile	4.93	41	14171	18.96	ug/l	92
42) 1,2-Dichloroethane	5.12	62	84947	18.60	ug/l	100
43) Isopropyl Acetate	7.12	43	29863	20.48	ug/l #	90
44) Trichloroethene	5.67	130	47025	21.41	ug/l	97
45) 1,2-Dichloropropane	6.41	63	31721	20.96	ug/l	98
46) Dibromomethane	6.26	93	30608	20.04	ug/l #	88
47) Bromodichloromethane	6.55	83	79957	19.14	ug/l	94
48) Methyl methacrylate	6.88	41	22586	19.91	ug/l	92
49) 1,4-Dioxane	6.87	88	3020	421.22	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	148166	99.39	ug/l	96
52) Toluene	7.78	92	91034	21.86	ug/l	91
53) t-1,3-Dichloropropene	8.43	75	65593	20.65	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	65581	20.00	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	30236	20.17	ug/l	95
56) Ethyl methacrylate	8.77	69	28663	19.62	ug/l	92
57) 1,3-Dichloropropane	9.00	76	55095	21.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	19761	99.62	ug/l	100
59) 2-Hexanone	9.63	43	106692	101.32	ug/l	100
60) Dibromochloromethane	8.87	129	55821	19.84	ug/l	98
61) 1,2-Dibromoethane	9.14	107	37055	20.28	ug/l	98
64) Tetrachloroethene	8.31	164	51718	21.61	ug/l	95
65) Chlorobenzene	9.94	112	118808	21.10	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	56178	20.06	ug/l	89
67) Ethyl Benzene	10.05	91	212972	21.71	ug/l	97
68) m/p-Xylenes	10.27	106	150747	44.46	ug/l	91
69) o-Xylene	10.84	106	81149	22.59	ug/l	93
70) Styrene	10.91	104	120262	22.44	ug/l	94
71) Bromoform	10.90	173	33935	19.77	ug/l	90
73) Isopropylbenzene	11.23	105	249612	21.37	ug/l	100
74) N-amyl acetate	11.47	43	55531	21.03	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	45407	20.70	ug/l	92
76) 1,2,3-Trichloropropane	11.89	75	38020	20.18	ug/l	100
77) Bromobenzene	11.60	156	65509	20.62	ug/l	93
78) n-propylbenzene	11.69	91	298449	21.63	ug/l	99
79) 2-Chlorotoluene	11.81	91	201123	23.05	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	227084	20.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	15242m	22.53	ug/l	
82) 4-Chlorotoluene	11.99	91	196523	20.74	ug/l	99
83) tert-Butylbenzene	12.22	119	232282	22.00	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	238424	21.37	ug/l	98
85) sec-Butylbenzene	12.39	105	306368	21.84	ug/l	97
86) p-Isopropyltoluene	12.54	119	266763	22.62	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	128903	21.41	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	121418	20.55	ug/l	96
89) n-Butylbenzene	12.92	91	242744	21.60	ug/l	96
90) Hexachloroethane	13.00	117	62437	19.19	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	124790	21.54	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10332	18.69	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	96157	21.86	ug/l	95
94) Hexachlorobutadiene	14.26	225	65337	21.03	ug/l	96
95) Naphthalene	14.52	128	156200	20.51	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	94535	21.77	ug/l	92

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

