

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060208.D
 Acq On : 7 Sep 2018 13:57
 Operator : VA/AP
 Sample : VF0907SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0907SBS01

Manual Integrations
 APPROVED

apatel
 9/10/2018 12:23:25 PM

Quant Time: Sep 07 14:40:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	148544	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	214595	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	228992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	145896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	134359	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	4.31	113	102580	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	7.72	98	260520	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.51	95	150318	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	69330	24.48	ug/l	95
3) Chloromethane	1.07	50	33644m	22.53	ug/l	
4) Vinyl Chloride	1.12	62	25598	22.24	ug/l	94
5) Bromomethane	1.32	94	20939	20.31	ug/l	89
6) Chloroethane	1.40	64	16475	22.35	ug/l	98
7) Trichlorofluoromethane	1.50	101	72302	22.53	ug/l	95
8) Diethyl Ether	1.70	74	8826	18.60	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	36576	23.31	ug/l	96
10) Methyl Iodide	1.93	142	29537	20.89	ug/l	98
11) Tert butyl alcohol	2.69	59	11553	89.31	ug/l #	93
12) 1,1-Dichloroethene	1.83	96	23468	21.98	ug/l	93
13) Acrolein	2.10	56	6409m	108.60	ug/l	
14) Allyl chloride	2.20	41	36375	22.72	ug/l	96
15) Acrylonitrile	3.08	53	18738	94.98	ug/l	94
16) Acetone	2.34	43	62122	93.38	ug/l #	93
17) Carbon Disulfide	1.84	76	69949	22.48	ug/l #	93
18) Methyl Acetate	2.45	43	18543	21.15	ug/l #	88
19) Methyl tert-butyl Ether	2.54	73	74358	21.05	ug/l	97
20) Methylene Chloride	2.29	84	30920	18.84	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	23989	21.96	ug/l	94
22) Diisopropyl ether	2.94	45	84578	21.08	ug/l	97
23) Vinyl Acetate	3.34	43	157475	107.35	ug/l	97
24) 1,1-Dichloroethane	3.01	63	57297	21.95	ug/l	99
25) 2-Butanone	4.51	43	79090	108.44	ug/l	95
26) 2,2-Dichloropropane	3.77	77	79913	23.19	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	31793	22.30	ug/l	94
28) Bromochloromethane	3.90	49	17961	20.21	ug/l	91
29) Tetrahydrofuran	4.27	42	25023	103.78	ug/l	99
30) Chloroform	4.05	83	82766	21.64	ug/l	99
31) Cyclohexane	3.86	56	37995	21.28	ug/l	87
32) 1,1,1-Trichloroethane	4.29	97	83126	21.82	ug/l	98
36) 1,1-Dichloropropene	4.47	75	53100	21.02	ug/l	94
37) Ethyl Acetate	4.31	43	23922	16.85	ug/l #	72
38) Carbon Tetrachloride	4.18	117	76211	21.95	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	45709	21.60	ug/l	94
40) Benzene	4.82	78	98622	21.92	ug/l	91
41) Methacrylonitrile	4.94	41	12943	19.70	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	69125	21.25	ug/l	100
43) Isopropyl Acetate	7.12	43	28038	19.08	ug/l #	99
44) Trichloroethene	5.69	130	39760	21.81	ug/l	99
45) 1,2-Dichloropropane	6.42	63	27030	21.13	ug/l	91
46) Dibromomethane	6.26	93	22691	20.15	ug/l #	85
47) Bromodichloromethane	6.55	83	64224	21.01	ug/l	95
48) Methyl methacrylate	6.88	41	22571	19.34	ug/l	95
49) 1,4-Dioxane	6.88	88	1529	89.17	ug/l #	50
51) 4-Methyl-2-Pentanone	8.42	43	129209	98.99	ug/l	98
52) Toluene	7.79	92	75983	21.80	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	57511	22.39	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	57087	21.41	ug/l	90
55) 1,1,2-Trichloroethane	8.64	97	26050	20.32	ug/l	94
56) Ethyl methacrylate	8.77	69	27808	18.98	ug/l	91
57) 1,3-Dichloropropane	9.01	76	48650	21.35	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.79	63	15957	101.26	ug/l	100
59) 2-Hexanone	9.64	43	101119	102.89	ug/l	99
60) Dibromochloromethane	8.87	129	41259	19.43	ug/l	96
61) 1,2-Dibromoethane	9.15	107	30716	19.98	ug/l	93
64) Tetrachloroethene	8.31	164	51126	19.24	ug/l	96
65) Chlorobenzene	9.94	112	100691	21.24	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	41524	19.77	ug/l	94
67) Ethyl Benzene	10.04	91	185206	20.94	ug/l	99
68) m/p-Xylenes	10.28	106	134387	45.30	ug/l	95
69) o-Xylene	10.83	106	66555	21.03	ug/l	100
70) Styrene	10.91	104	103040	21.48	ug/l	99
71) Bromoform	10.89	173	21285	17.55	ug/l #	97
73) Isopropylbenzene	11.24	105	219136	21.77	ug/l	100
74) N-amyl acetate	11.47	43	33844	20.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	31879	21.07	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	32065	19.99	ug/l	93
77) Bromobenzene	11.60	156	54051	20.51	ug/l	95
78) n-propylbenzene	11.69	91	264857	21.96	ug/l	95
79) 2-Chlorotoluene	11.82	91	159573	21.90	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	192361	21.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	5668	16.91	ug/l	90
82) 4-Chlorotoluene	11.99	91	177137	21.91	ug/l	94
83) tert-Butylbenzene	12.22	119	182159	22.50	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	200426	22.21	ug/l	100
85) sec-Butylbenzene	12.39	105	251220	22.50	ug/l	100
86) p-Isopropyltoluene	12.54	119	229605	23.15	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	107932	22.41	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	104833	22.00	ug/l	95
89) n-Butylbenzene	12.92	91	220658	23.01	ug/l	97
90) Hexachloroethane	13.00	117	42205	20.99	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	98299	21.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	7075	18.32	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	75358	21.33	ug/l	97
94) Hexachlorobutadiene	14.26	225	53644	21.30	ug/l	99
95) Naphthalene	14.53	128	91466	18.32	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	67575	20.37	ug/l	91

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

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