

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059961.D
 Acq On : 14 Aug 2018 23:47
 Operator : VA/AP
 Sample : VF0814SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:17:08 PM

Quant Time: Aug 15 11:19:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	126826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	185684	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	181713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	112656	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	117724	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	4.31	113	92915	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.72	98	208506	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.52	95	111368	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	40614	21.61	ug/l	98
3) Chloromethane	1.10	50	16963	21.18	ug/l	95
4) Vinyl Chloride	1.16	62	20334	22.11	ug/l	97
5) Bromomethane	1.35	94	18072	21.83	ug/l	98
6) Chloroethane	1.44	64	13298	22.27	ug/l	93
7) Trichlorofluoromethane	1.54	101	53411m	19.88	ug/l	
8) Diethyl Ether	1.71	74	7465	20.20	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	29025	21.40	ug/l	95
10) Methyl Iodide	1.98	142	48949	23.12	ug/l #	97
11) Tert butyl alcohol	2.71	59	9386	106.55	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	22847	22.73	ug/l #	91
13) Acrolein	2.11	56	3577	80.27	ug/l	82
14) Allyl chloride	2.20	41	37296	26.08	ug/l	92
15) Acrylonitrile	3.09	53	16083	120.43	ug/l	89
16) Acetone	2.35	43	43589	99.04	ug/l	97
17) Carbon Disulfide	1.90	76	60059	23.33	ug/l #	91
18) Methyl Acetate	2.46	43	12951	21.16	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	65225	22.59	ug/l	97
20) Methylene Chloride	2.29	84	23021m	21.84	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	23102	23.64	ug/l	95
22) Diisopropyl ether	2.94	45	71804	21.83	ug/l	99
23) Vinyl Acetate	3.35	43	189406	116.01	ug/l	97
24) 1,1-Dichloroethane	3.01	63	52435	22.56	ug/l #	94
25) 2-Butanone	4.53	43	48994	110.08	ug/l	98
26) 2,2-Dichloropropane	3.78	77	31937	21.12	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	24501	22.69	ug/l	97
28) Bromochloromethane	3.91	49	19219	22.20	ug/l #	75
29) Tetrahydrofuran	4.27	42	17996	117.71	ug/l	98
30) Chloroform	4.06	83	69589	21.80	ug/l	95
31) Cyclohexane	3.88	56	28915	24.88	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	58009	22.10	ug/l	88
36) 1,1-Dichloropropene	4.48	75	42695	20.70	ug/l #	91
37) Ethyl Acetate	4.31	43	20222	22.91	ug/l	92
38) Carbon Tetrachloride	4.20	117	66398	19.33	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	34244	22.84	ug/l #	92
40) Benzene	4.83	78	73410	21.02	ug/l	99
41) Methacrylonitrile	4.95	41	9068	20.83	ug/l #	73
42) 1,2-Dichloroethane	5.13	62	56066	20.21	ug/l	93
43) Isopropyl Acetate	7.13	43	19992	20.78	ug/l	91
44) Trichloroethene	5.69	130	29246	21.76	ug/l	97
45) 1,2-Dichloropropane	6.42	63	20236	21.91	ug/l	98
46) Dibromomethane	6.28	93	19094	20.96	ug/l #	86
47) Bromodichloromethane	6.57	83	52624	20.01	ug/l	99
48) Methyl methacrylate	6.89	41	14693	20.50	ug/l	94
49) 1,4-Dioxane	6.89	88	2454	452.81	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	100488	107.80	ug/l	100
52) Toluene	7.79	92	52584	20.33	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	43914	20.42	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	43876	21.20	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	17710	20.04	ug/l	97
56) Ethyl methacrylate	8.78	69	19600	20.64	ug/l	94
57) 1,3-Dichloropropane	9.02	76	32598	20.02	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	11920	93.33	ug/l	100
59) 2-Hexanone	9.65	43	73063	107.46	ug/l	94
60) Dibromochloromethane	8.89	129	37257	21.30	ug/l	84
61) 1,2-Dibromoethane	9.15	107	23426	21.25	ug/l	90
64) Tetrachloroethene	8.33	164	27969	19.77	ug/l	94
65) Chlorobenzene	9.96	112	73079	20.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	34682	20.44	ug/l	93
67) Ethyl Benzene	10.06	91	126411	20.39	ug/l	100
68) m/p-Xylenes	10.29	106	93581	44.88	ug/l	96
69) o-Xylene	10.84	106	47035	20.77	ug/l	99
70) Styrene	10.92	104	72366	21.60	ug/l	98
71) Bromoform	10.91	173	21538	20.42	ug/l	88
73) Isopropylbenzene	11.24	105	154216	21.76	ug/l	100
74) N-amyl acetate	11.48	43	31832	20.38	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	26863	22.55	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	22458	21.87	ug/l	95
77) Bromobenzene	11.61	156	40457	21.76	ug/l	89
78) n-propylbenzene	11.70	91	171314	20.61	ug/l	97
79) 2-Chlorotoluene	11.83	91	112640	21.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	137362	20.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	8063m	19.21	ug/l	
82) 4-Chlorotoluene	12.00	91	124375	21.64	ug/l	96
83) tert-Butylbenzene	12.23	119	141293	21.74	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	178170	26.79	ug/l	99
85) sec-Butylbenzene	12.40	105	180888	21.84	ug/l	97
86) p-Isopropyltoluene	12.55	119	160600	22.01	ug/l	93
87) 1,3-Dichlorobenzene	12.56	146	75742	21.48	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	72804	20.97	ug/l	95
89) n-Butylbenzene	12.93	91	147389	20.98	ug/l	97
90) Hexachloroethane	13.01	117	39225	21.72	ug/l	88
91) 1,2-Dichlorobenzene	13.03	146	74984	21.92	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6431	19.93	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	58937	21.50	ug/l	97
94) Hexachlorobutadiene	14.27	225	39066	19.93	ug/l	97
95) Naphthalene	14.54	128	94018	21.00	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	52218	19.96	ug/l	95

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

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