

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059987.D
 Acq On : 17 Aug 2018 22:40
 Operator : VA/AP
 Sample : VF0817SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBSD01

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:49:08 AM

Quant Time: Aug 18 01:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	132344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	182804	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	193861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	132431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	124616	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	4.30	113	95130	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	7.72	98	212529	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.52	95	126545	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	45103	20.09	ug/l	94
3) Chloromethane	1.08	50	23855	21.66	ug/l	97
4) Vinyl Chloride	1.12	62	30428	22.70	ug/l	99
5) Bromomethane	1.31	94	28194	23.15	ug/l	99
6) Chloroethane	1.39	64	14289	20.53	ug/l	95
7) Trichlorofluoromethane	1.47	101	68979	17.93	ug/l	97
8) Diethyl Ether	1.71	74	12907	22.74	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.86	101	39131	21.69	ug/l	98
10) Methyl Iodide	1.93	142	49691	21.83	ug/l	93
11) Tert butyl alcohol	2.69	59	16726	112.35	ug/l #	91
12) 1,1-Dichloroethene	1.83	96	27567	22.16	ug/l	90
13) Acrolein	2.09	56	6839	92.82	ug/l #	73
14) Allyl chloride	2.19	41	47192	22.36	ug/l #	97
15) Acrylonitrile	3.08	53	29018	120.54	ug/l	89
16) Acetone	2.35	43	82531	110.33	ug/l	97
17) Carbon Disulfide	1.84	76	91409	23.12	ug/l	98
18) Methyl Acetate	2.46	43	35626	25.78	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	88280	21.56	ug/l	98
20) Methylene Chloride	2.28	84	39578	25.97	ug/l	98
21) trans-1,2-Dichloroethene	2.42	96	29514	22.10	ug/l	93
22) Diisopropyl ether	2.93	45	101763	22.54	ug/l	98
23) Vinyl Acetate	3.34	43	207903	114.39	ug/l	97
24) 1,1-Dichloroethane	3.01	63	66204	22.36	ug/l	98
25) 2-Butanone	4.52	43	64312	104.14	ug/l #	91
26) 2,2-Dichloropropane	3.77	77	48878	18.64	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	24045	19.69	ug/l	87
28) Bromochloromethane	3.91	49	18578	21.87	ug/l	98
29) Tetrahydrofuran	4.27	42	26148	118.64	ug/l	98
30) Chloroform	4.04	83	68874	20.12	ug/l	88
31) Cyclohexane	3.86	56	29269	21.60	ug/l	86
32) 1,1,1-Trichloroethane	4.28	97	68147	20.40	ug/l	95
36) 1,1-Dichloropropene	4.46	75	42034	20.19	ug/l	98
37) Ethyl Acetate	4.30	43	26774	23.26	ug/l #	52
38) Carbon Tetrachloride	4.18	117	60428	20.23	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	31439	20.13	ug/l	99
40) Benzene	4.82	78	73475	20.85	ug/l	99
41) Methacrylonitrile	4.93	41	11746	21.32	ug/l #	91
42) 1,2-Dichloroethane	5.13	62	64603	21.61	ug/l	98
43) Isopropyl Acetate	7.12	43	28221	22.28	ug/l #	86
44) Trichloroethene	5.69	130	28626	20.81	ug/l	100
45) 1,2-Dichloropropane	6.41	63	20555	20.39	ug/l	97
46) Dibromomethane	6.26	93	21404	21.53	ug/l	92
47) Bromodichloromethane	6.56	83	55912	20.83	ug/l	99
48) Methyl methacrylate	6.88	41	21839	23.16	ug/l	94
49) 1,4-Dioxane	6.88	88	3523	458.72	ug/l #	61
51) 4-Methyl-2-Pentanone	8.42	43	145244	122.75	ug/l	100
52) Toluene	7.79	92	53745	20.38	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	47691	21.06	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	45853	20.98	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	21852	20.65	ug/l #	86
56) Ethyl methacrylate	8.77	69	26836	21.89	ug/l	94
57) 1,3-Dichloropropane	9.01	76	46358	24.58	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	12706	123.57	ug/l	100
59) 2-Hexanone	9.64	43	112797	115.45	ug/l	99
60) Dibromochloromethane	8.87	129	39977	20.67	ug/l	96
61) 1,2-Dibromoethane	9.15	107	29723	22.51	ug/l	97
64) Tetrachloroethene	8.31	164	31114	21.06	ug/l	90
65) Chlorobenzene	9.95	112	76639	20.03	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.09	131	35507	20.17	ug/l	95
67) Ethyl Benzene	10.05	91	142893	20.57	ug/l	100
68) m/p-Xylenes	10.28	106	100756	41.86	ug/l	90
69) o-Xylene	10.84	106	51012	20.67	ug/l	92
70) Styrene	10.92	104	83528	21.13	ug/l	97
71) Bromoform	10.90	173	28368	21.80	ug/l	94
73) Isopropylbenzene	11.24	105	168789	21.26	ug/l	98
74) N-amyl acetate	11.47	43	52302	23.22	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	34828	22.34	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	31188	22.59	ug/l	95
77) Bromobenzene	11.61	156	47557	21.48	ug/l	89
78) n-propylbenzene	11.69	91	204163	20.71	ug/l	97
79) 2-Chlorotoluene	11.82	91	121358	20.27	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	154242	21.49	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.97	75	12445m	21.36	ug/l	
82) 4-Chlorotoluene	12.00	91	135703	20.71	ug/l	90
83) tert-Butylbenzene	12.23	119	145379	20.61	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	158829	21.01	ug/l	98
85) sec-Butylbenzene	12.39	105	192237	20.62	ug/l	95
86) p-Isopropyltoluene	12.55	119	175199	21.25	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	91029	21.54	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	89212	21.56	ug/l	96
89) n-Butylbenzene	12.93	91	158400	19.88	ug/l	98
90) Hexachloroethane	13.01	117	37884	20.40	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	85564	21.15	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	9054	21.00	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	67703	20.51	ug/l	97
94) Hexachlorobutadiene	14.27	225	44519	20.13	ug/l	93
95) Naphthalene	14.53	128	94830	20.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	66911	21.02	ug/l	98

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

