

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059590.D
 Acq On : 20 Jul 2018 19:36
 Operator : VA/AP
 Sample : VF0720SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Manual Integrations
 APPROVED

apatel
 7/23/2018 10:52:03 AM

Quant Time: Jul 21 00:10:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	236963	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	353688	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	356913	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	220586	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	189123	51.32	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	4.29	113	158761	51.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	7.70	98	386002	50.03	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.50	95	213606	52.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	61576	21.21	ug/l	93
3) Chloromethane	1.08	50	33456	20.94	ug/l	95
4) Vinyl Chloride	1.14	62	37095	23.01	ug/l	93
5) Bromomethane	1.34	94	31100	27.84	ug/l	94
6) Chloroethane	1.42	64	20141	24.78	ug/l #	81
7) Trichlorofluoromethane	1.48	101	79497m	20.15	ug/l	
8) Diethyl Ether	1.69	74	16074	21.17	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	50040	30.04	ug/l #	87
10) Methyl Iodide	1.95	142	89430	30.66	ug/l	98
11) Tert butyl alcohol	2.67	59	16827	99.99	ug/l	100
12) 1,1-Dichloroethene	1.85	96	40364	22.78	ug/l	90
13) Acrolein	2.08	56	7438m	77.08	ug/l	
14) Allyl chloride	2.18	41	68875	31.15	ug/l	95
15) Acrylonitrile	3.06	53	31591	102.17	ug/l	91
16) Acetone	2.33	43	66662	105.13	ug/l	99
17) Carbon Disulfide	1.83	76	105810	23.31	ug/l	98
18) Methyl Acetate	2.44	43	20243m	15.92	ug/l	
19) Methyl tert-butyl Ether	2.52	73	112999	20.33	ug/l	99
20) Methylene Chloride	2.27	84	41799	22.63	ug/l #	84
21) trans-1,2-Dichloroethene	2.40	96	40496	24.72	ug/l	89
22) Diisopropyl ether	2.92	45	134053	21.57	ug/l #	97
23) Vinyl Acetate	3.32	43	373237	102.79	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	91971	23.97	ug/l	98
25) 2-Butanone	4.49	43	82601	96.54	ug/l	100
26) 2,2-Dichloropropane	3.75	77	75659	29.80	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	49109	25.76	ug/l	94
28) Bromochloromethane	3.88	49	35948	21.28	ug/l #	83
29) Tetrahydrofuran	4.25	42	33730	82.54	ug/l	96
30) Chloroform	4.03	83	132233	23.85	ug/l	94
31) Cyclohexane	3.85	56	56165	28.26	ug/l #	86
32) 1,1,1-Trichloroethane	4.27	97	113032	31.38	ug/l	98
36) 1,1-Dichloropropene	4.45	75	83408	23.56	ug/l	98
37) Ethyl Acetate	4.28	43	32702	12.89	ug/l #	1
38) Carbon Tetrachloride	4.16	117	110654m	27.28	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	73561	27.38	ug/l	93
40) Benzene	4.80	78	156478	22.78	ug/l	94
41) Methacrylonitrile	4.91	41	16865	16.61	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	97201	21.55	ug/l	97
43) Isopropyl Acetate	7.11	43	46133	18.13	ug/l #	93
44) Trichloroethene	5.67	130	59307	23.33	ug/l	97
45) 1,2-Dichloropropane	6.40	63	40532	21.26	ug/l	91
46) Dibromomethane	6.25	93	37165	21.41	ug/l	96
47) Bromodichloromethane	6.54	83	94611	21.17	ug/l	98
48) Methyl methacrylate	6.87	41	32511	17.89	ug/l	98
49) 1,4-Dioxane	6.86	88	2981	326.05	ug/l #	74
51) 4-Methyl-2-Pentanone	8.40	43	160727	89.13	ug/l	92
52) Toluene	7.77	92	111254	22.34	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	79464	19.33	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	88644	21.66	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	39893	20.67	ug/l	95
56) Ethyl methacrylate	8.75	69	46051	19.24	ug/l	97
57) 1,3-Dichloropropane	9.00	76	71633	20.99	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	25181	119.17	ug/l	100
59) 2-Hexanone	9.62	43	120688	88.56	ug/l	99
60) Dibromochloromethane	8.86	129	69672	21.42	ug/l	99
61) 1,2-Dibromoethane	9.13	107	48653	20.32	ug/l	93
64) Tetrachloroethene	8.30	164	59179	22.27	ug/l	97
65) Chlorobenzene	9.94	112	155115	23.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	65346	21.43	ug/l	96
67) Ethyl Benzene	10.03	91	279792	23.48	ug/l	99
68) m/p-Xylenes	10.26	106	199861	47.53	ug/l	94
69) o-Xylene	10.82	106	104091	23.25	ug/l	89
70) Styrene	10.89	104	161077	23.40	ug/l	98
71) Bromoform	10.88	173	41415	19.56	ug/l	96
73) Isopropylbenzene	11.23	105	322145	23.14	ug/l	99
74) N-amyl acetate	11.46	43	67680	15.18	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	61045	20.11	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	49162	19.83	ug/l	89
77) Bromobenzene	11.59	156	85968	22.03	ug/l	92
78) n-propylbenzene	11.68	91	368294	23.07	ug/l	97
79) 2-Chlorotoluene	11.81	91	237243	24.12	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	289797	24.85	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	20567m	18.16	ug/l	
82) 4-Chlorotoluene	11.99	91	252997	22.96	ug/l	95
83) tert-Butylbenzene	12.21	119	279784	24.99	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	286232	23.85	ug/l	95
85) sec-Butylbenzene	12.38	105	365717	25.69	ug/l	96
86) p-Isopropyltoluene	12.54	119	305569	24.67	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	155555	23.24	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	150930	22.88	ug/l	98
89) n-Butylbenzene	12.91	91	308994	26.66	ug/l	95
90) Hexachloroethane	12.99	117	75948	26.99	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	155020	24.22	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11894	17.29	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	111627	28.70	µg/l	94
94) Hexachlorobutadiene	14.25	225	67909	34.08	µg/l	98
95) Naphthalene	14.52	128	179166	22.17	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	99098	28.20	µg/l	97

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

