

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059591.D
 Acq On : 20 Jul 2018 20:04
 Operator : VA/AP
 Sample : VF0720SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Manual Integrations
 APPROVED

apatel
 7/23/2018 10:52:06 AM

Quant Time: Jul 21 00:12:12 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	262150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	337842	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	354876	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	218919	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	187495	45.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.98%	
35) Dibromofluoromethane	4.29	113	154790	52.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	7.71	98	365563	49.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.50	95	211262	54.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	62594	19.49	ug/l	98
3) Chloromethane	1.08	50	34692	19.63	ug/l	94
4) Vinyl Chloride	1.15	62	39820	22.33	ug/l	95
5) Bromomethane	1.34	94	32253	26.10	ug/l	95
6) Chloroethane	1.42	64	21589	24.01	ug/l #	88
7) Trichlorofluoromethane	1.49	101	83615m	19.16	ug/l	
8) Diethyl Ether	1.70	74	16028	19.09	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	54161	29.39	ug/l	98
10) Methyl Iodide	1.95	142	94241	29.21	ug/l	94
11) Tert butyl alcohol	2.67	59	19051	102.67	ug/l	97
12) 1,1-Dichloroethene	1.85	96	38526	19.66	ug/l	89
13) Acrolein	2.09	56	7250	59.99	ug/l	85
14) Allyl chloride	2.19	41	64581	26.40	ug/l	82
15) Acrylonitrile	3.06	53	32434	94.82	ug/l	91
16) Acetone	2.33	43	71751	101.45	ug/l #	91
17) Carbon Disulfide	1.84	76	112873	22.47	ug/l #	93
18) Methyl Acetate	2.44	43	26291	19.25	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	120546	19.61	ug/l	98
20) Methylene Chloride	2.27	84	41865	20.01	ug/l #	87
21) trans-1,2-Dichloroethene	2.41	96	41827	23.08	ug/l	94
22) Diisopropyl ether	2.92	45	130948	19.05	ug/l	94
23) Vinyl Acetate	3.33	43	394256	98.15	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	95760	22.56	ug/l	99
25) 2-Butanone	4.50	43	86188	91.05	ug/l #	91
26) 2,2-Dichloropropane	3.75	77	79022	28.14	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	52667	24.97	ug/l	85
28) Bromochloromethane	3.88	49	35118	18.79	ug/l #	100
29) Tetrahydrofuran	4.25	42	36769	80.99	ug/l	99
30) Chloroform	4.03	83	127303	20.76	ug/l	95
31) Cyclohexane	3.86	56	56507	25.70	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	111901	28.08	ug/l	94
36) 1,1-Dichloropropene	4.45	75	76873	22.73	ug/l	97
37) Ethyl Acetate	4.28	43	39082	17.76	ug/l #	1
38) Carbon Tetrachloride	4.17	117	111840	28.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	68076	26.53	ug/l	96
40) Benzene	4.81	78	153533	23.40	ug/l	100
41) Methacrylonitrile	4.91	41	19031	19.62	ug/l #	84
42) 1,2-Dichloroethane	5.10	62	99247	23.03	ug/l	100
43) Isopropyl Acetate	7.10	43	51153	21.05	ug/l #	95
44) Trichloroethene	5.67	130	57074	23.50	ug/l	95
45) 1,2-Dichloropropane	6.40	63	41658	22.88	ug/l	93
46) Dibromomethane	6.25	93	38338	23.12	ug/l	97
47) Bromodichloromethane	6.54	83	101702	23.83	ug/l	97
48) Methyl methacrylate	6.87	41	35061	20.20	ug/l	92
49) 1,4-Dioxane	6.86	88	4752	568.50	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	182432	105.91	ug/l	97
52) Toluene	7.78	92	111940	23.53	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	89350	22.76	ug/l	91
54) cis-1,3-Dichloropropene	7.45	75	85513	21.87	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	42196	22.89	ug/l	94
56) Ethyl methacrylate	8.75	69	46935	20.53	ug/l	98
57) 1,3-Dichloropropane	9.00	76	74629	22.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	23548	116.67	ug/l	100
59) 2-Hexanone	9.63	43	140858	108.21	ug/l	95
60) Dibromochloromethane	8.86	129	69943	22.51	ug/l	95
61) 1,2-Dibromoethane	9.13	107	51966	22.72	ug/l	93
64) Tetrachloroethene	8.30	164	58838	22.26	ug/l	96
65) Chlorobenzene	9.93	112	155186	23.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	65576	21.63	ug/l	99
67) Ethyl Benzene	10.03	91	269714	22.77	ug/l	100
68) m/p-Xylenes	10.26	106	193676	46.32	ug/l	96
69) o-Xylene	10.82	106	104319	23.43	ug/l	95
70) Styrene	10.90	104	162068	23.68	ug/l	97
71) Bromoform	10.88	173	43927	20.86	ug/l	93
73) Isopropylbenzene	11.23	105	313790	22.72	ug/l	97
74) N-amyl acetate	11.46	43	82733	18.70	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	62008	20.58	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	49722	20.21	ug/l	95
77) Bromobenzene	11.59	156	86128	22.24	ug/l	92
78) n-propylbenzene	11.68	91	388536	24.52	ug/l	97
79) 2-Chlorotoluene	11.81	91	233797	23.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	286344	24.74	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	22179m	19.73	ug/l	
82) 4-Chlorotoluene	11.98	91	254426	23.26	ug/l	97
83) tert-Butylbenzene	12.21	119	274036	24.67	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	285029	23.93	ug/l	96
85) sec-Butylbenzene	12.39	105	362482	25.66	ug/l	99
86) p-Isopropyltoluene	12.54	119	311001	25.30	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	162307	24.43	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	151857	23.20	ug/l	97
89) n-Butylbenzene	12.91	91	307228	26.70	ug/l	94
90) Hexachloroethane	12.99	117	74636	26.73	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	147219	23.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12890	18.88	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	109733	28.43	µg/l	99
94) Hexachlorobutadiene	14.25	225	66288	33.52	µg/l	95
95) Naphthalene	14.52	128	193717	24.16	µg/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	96018	27.53	µg/l	95

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

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