

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059567.D
 Acq On : 19 Jul 2018 20:57
 Operator : VA/AP
 Sample : VF0719SBS02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Manual Integrations
 APPROVED

apatel
 7/20/2018 11:49:00 AM

Quant Time: Jul 20 05:41:45 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	232419	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	335680	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	345505	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	229954	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	184790	51.12	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.24%	
35) Dibromofluoromethane	4.28	113	151849	52.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.46%	
50) Toluene-d8	7.70	98	353217	48.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	11.51	95	205107	53.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	62776	22.05	ug/l	95
3) Chloromethane	1.09	50	32888	20.99	ug/l	98
4) Vinyl Chloride	1.15	62	36179	22.88	ug/l #	84
5) Bromomethane	1.33	94	30984	28.28	ug/l	96
6) Chloroethane	1.42	64	20994	26.34	ug/l	93
7) Trichlorofluoromethane	1.48	101	83426m	21.56	ug/l	
8) Diethyl Ether	1.70	74	14568	19.57	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	51751	31.67	ug/l	94
10) Methyl Iodide	1.95	142	85976	30.06	ug/l	93
11) Tert butyl alcohol	2.67	59	16310	98.64	ug/l #	82
12) 1,1-Dichloroethene	1.85	96	37697	21.69	ug/l #	72
13) Acrolein	2.08	56	7839	87.79	ug/l	98
14) Allyl chloride	2.19	41	63886	29.46	ug/l	94
15) Acrylonitrile	3.07	53	27533	90.79	ug/l	94
16) Acetone	2.33	43	65690	105.77	ug/l #	89
17) Carbon Disulfide	1.84	76	103196	23.18	ug/l	100
18) Methyl Acetate	2.44	43	22915	18.87	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	116024	21.28	ug/l	99
20) Methylene Chloride	2.27	84	45255	25.51	ug/l #	82
21) trans-1,2-Dichloroethene	2.41	96	39416	24.53	ug/l	99
22) Diisopropyl ether	2.92	45	122444	20.09	ug/l	98
23) Vinyl Acetate	3.32	43	361109	101.39	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	91308	24.26	ug/l	98
25) 2-Butanone	4.50	43	77541	92.40	ug/l	97
26) 2,2-Dichloropropane	3.76	77	70099	28.15	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	46390	24.81	ug/l	100
28) Bromochloromethane	3.89	49	33851	20.43	ug/l #	100
29) Tetrahydrofuran	4.25	42	33497	83.87	ug/l	95
30) Chloroform	4.03	83	124858	22.96	ug/l	98
31) Cyclohexane	3.86	56	51722	26.53	ug/l #	79
32) 1,1,1-Trichloroethane	4.27	97	105954	29.99	ug/l	96
36) 1,1-Dichloropropene	4.46	75	75819	22.57	ug/l	97
37) Ethyl Acetate	4.28	43	34879	15.29	ug/l #	1
38) Carbon Tetrachloride	4.17	117	113188m	29.40	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	65124	25.54	ug/l	96
40) Benzene	4.80	78	140554	21.56	ug/l	100
41) Methacrylonitrile	4.92	41	18047	18.73	ug/l	93
42) 1,2-Dichloroethane	5.11	62	94911	22.17	ug/l	98
43) Isopropyl Acetate	7.11	43	41115	17.03	ug/l #	94
44) Trichloroethene	5.67	130	54746	22.69	ug/l	95
45) 1,2-Dichloropropane	6.40	63	38676	21.38	ug/l	97
46) Dibromomethane	6.24	93	35250	21.39	ug/l	89
47) Bromodichloromethane	6.55	83	92364	21.78	ug/l	99
48) Methyl methacrylate	6.87	41	30631	17.76	ug/l	98
49) 1,4-Dioxane	6.86	88	3796	448.33	ug/l #	83
51) 4-Methyl-2-Pentanone	8.40	43	158780	92.78	ug/l	99
52) Toluene	7.78	92	107860	22.82	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	82233	21.08	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	82654	21.28	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	38636	21.09	ug/l	97
56) Ethyl methacrylate	8.76	69	41933	18.46	ug/l	95
57) 1,3-Dichloropropane	8.99	76	69268	21.39	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	24922	124.27	ug/l	100
59) 2-Hexanone	9.62	43	125758	97.23	ug/l	95
60) Dibromochloromethane	8.86	129	65797	21.31	ug/l	89
61) 1,2-Dibromoethane	9.13	107	48323	21.26	ug/l	92
64) Tetrachloroethene	8.30	164	59271	23.04	ug/l	93
65) Chlorobenzene	9.94	112	144356	22.28	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	64095	21.72	ug/l	93
67) Ethyl Benzene	10.04	91	264615	22.94	ug/l	98
68) m/p-Xylenes	10.26	106	184774	45.39	ug/l	98
69) o-Xylene	10.83	106	99209	22.89	ug/l	91
70) Styrene	10.89	104	155376	23.32	ug/l	100
71) Bromoform	10.88	173	40706	19.86	ug/l	98
73) Isopropylbenzene	11.23	105	312338	21.53	ug/l	100
74) N-amyl acetate	11.46	43	68723	14.79	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	59517	18.81	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	49778	19.26	ug/l	87
77) Bromobenzene	11.59	156	83629	20.56	ug/l	96
78) n-propylbenzene	11.68	91	379734	22.81	ug/l	93
79) 2-Chlorotoluene	11.81	91	225452	21.99	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	275801	22.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	16744m	14.18	ug/l	
82) 4-Chlorotoluene	11.99	91	245785	21.40	ug/l	90
83) tert-Butylbenzene	12.22	119	273121	23.40	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	280452	22.42	ug/l	98
85) sec-Butylbenzene	12.38	105	345255	23.26	ug/l	94
86) p-Isopropyltoluene	12.53	119	298181	23.09	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	156577	22.44	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	148064	21.53	ug/l	97
89) n-Butylbenzene	12.92	91	295670	24.47	ug/l	96
90) Hexachloroethane	12.99	117	73105	24.92	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	147604	22.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	14149	19.73	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	107336	26.47	ug/l	96
94) Hexachlorobutadiene	14.26	225	68968	33.20	ug/l	97
95) Naphthalene	14.52	128	194935	23.14	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	102820	28.06	ug/l	98

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

