

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059620.D
 Acq On : 23 Jul 2018 18:08
 Operator : VA/AP
 Sample : VF0723SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:14:41 PM

Quant Time: Jul 24 08:21:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	276390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	371749	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	374584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	230635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	203341	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	4.29	113	175653	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	7.71	98	437661	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.50	95	236056	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	67638	19.50	ug/l	91
3) Chloromethane	1.08	50	29782	18.83	ug/l	94
4) Vinyl Chloride	1.14	62	37042	20.73	ug/l #	87
5) Bromomethane	1.34	94	28977	18.74	ug/l #	80
6) Chloroethane	1.42	64	19712	18.08	ug/l	94
7) Trichlorofluoromethane	1.48	101	85783m	17.66	ug/l	
8) Diethyl Ether	1.69	74	15644	22.44	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.89	101	49530	20.27	ug/l #	87
10) Methyl Iodide	1.96	142	83666	20.36	ug/l	98
11) Tert butyl alcohol	2.68	59	15465	87.36	ug/l	95
12) 1,1-Dichloroethene	1.85	96	42032	21.70	ug/l	86
13) Acrolein	2.09	56	5603	63.12	ug/l	95
14) Allyl chloride	2.18	41	68861	19.63	ug/l	94
15) Acrylonitrile	3.07	53	29149	106.74	ug/l #	83
16) Acetone	2.33	43	62482	83.79	ug/l	94
17) Carbon Disulfide	1.86	76	103669	20.67	ug/l #	92
18) Methyl Acetate	2.44	43	20397	16.79	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	106571	18.87	ug/l	96
20) Methylene Chloride	2.28	84	39176m	18.85	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	39963	20.07	ug/l	97
22) Diisopropyl ether	2.92	45	130804	20.35	ug/l	97
23) Vinyl Acetate	3.32	43	335630	103.74	ug/l	99
24) 1,1-Dichloroethane	2.99	63	91802	19.93	ug/l	97
25) 2-Butanone	4.50	43	76777	99.86	ug/l	100
26) 2,2-Dichloropropane	3.75	77	77876	20.06	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	48553	21.27	ug/l	97
28) Bromochloromethane	3.88	49	31309	18.49	ug/l	95
29) Tetrahydrofuran	4.25	42	27888	89.53	ug/l #	90
30) Chloroform	4.03	83	125450	19.81	ug/l	92
31) Cyclohexane	3.85	56	58605	22.86	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	109336	19.06	ug/l	98
36) 1,1-Dichloropropene	4.44	75	82118	21.81	ug/l #	93
37) Ethyl Acetate	4.28	43	35675	23.57	ug/l #	82
38) Carbon Tetrachloride	4.16	117	114355	19.69	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	72044	23.59	ug/l	97
40) Benzene	4.80	78	151154	21.97	ug/l	95
41) Methacrylonitrile	4.92	41	15517	20.00	ug/l #	70
42) 1,2-Dichloroethane	5.10	62	89101	19.18	ug/l	99
43) Isopropyl Acetate	7.11	43	40984	21.19	ug/l #	96
44) Trichloroethene	5.67	130	57802	21.80	ug/l	91
45) 1,2-Dichloropropane	6.40	63	39777	21.36	ug/l	94
46) Dibromomethane	6.25	93	32497	21.06	ug/l	97
47) Bromodichloromethane	6.54	83	92732	19.80	ug/l #	94
48) Methyl methacrylate	6.87	41	27870	19.27	ug/l #	81
49) 1,4-Dioxane	6.86	88	3989m	429.49	ug/l	
51) 4-Methyl-2-Pentanone	8.40	43	144028	102.21	ug/l	97
52) Toluene	7.78	92	113178	21.61	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	77093	19.48	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	79960	20.38	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	35725	19.93	ug/l	93
56) Ethyl methacrylate	8.75	69	39531	19.81	ug/l	90
57) 1,3-Dichloropropane	9.00	76	64374	20.64	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	24249	105.04	ug/l	100
59) 2-Hexanone	9.62	43	112217	98.13	ug/l	99
60) Dibromochloromethane	8.86	129	63465	19.88	ug/l	99
61) 1,2-Dibromoethane	9.14	107	42515	20.70	ug/l	93
64) Tetrachloroethene	8.30	164	62510	22.47	ug/l	86
65) Chlorobenzene	9.93	112	148907	21.56	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	66121	21.13	ug/l	99
67) Ethyl Benzene	10.03	91	272592	21.70	ug/l	99
68) m/p-Xylenes	10.26	106	194164	45.49	ug/l	96
69) o-Xylene	10.82	106	101935	21.99	ug/l	99
70) Styrene	10.90	104	149897	21.56	ug/l	93
71) Bromoform	10.88	173	35288	18.20	ug/l	98
73) Isopropylbenzene	11.23	105	314603	21.48	ug/l	97
74) N-amyl acetate	11.46	43	68641	20.84	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	49864	20.28	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	45075	20.98	ug/l	97
77) Bromobenzene	11.59	156	77445	20.41	ug/l	96
78) n-propylbenzene	11.68	91	380454	21.67	ug/l	98
79) 2-Chlorotoluene	11.81	91	218455	20.76	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	273220	20.84	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	17210m	20.20	ug/l	
82) 4-Chlorotoluene	11.98	91	245010	20.94	ug/l	98
83) tert-Butylbenzene	12.21	119	267754	20.65	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	281675	21.11	ug/l	100
85) sec-Butylbenzene	12.38	105	347664	20.74	ug/l	94
86) p-Isopropyltoluene	12.54	119	304771	20.66	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	147391	20.25	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	145553	21.32	ug/l	98
89) n-Butylbenzene	12.91	91	297741	21.13	ug/l	97
90) Hexachloroethane	12.99	117	72592	19.86	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	139206	20.52	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11340	19.16	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	107909	21.28	ug/l	95
94) Hexachlorobutadiene	14.25	225	70929	20.10	ug/l	94
95) Naphthalene	14.52	128	165123	20.05	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	94469	20.50	ug/l	99

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

