

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060050.D
 Acq On : 23 Aug 2018 13:50
 Operator : VA/AP
 Sample : VF0823SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:08:41 PM

Quant Time: Aug 23 15:30:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	204952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	314914	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	344603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	207336	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	136854	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	4.30	113	128101	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.72	98	343068	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.51	95	194802	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	55661	20.63	ug/l	95
3) Chloromethane	1.07	50	42288	22.08	ug/l	95
4) Vinyl Chloride	1.12	62	34632	20.67	ug/l	92
5) Bromomethane	1.32	94	25642	20.14	ug/l	96
6) Chloroethane	1.39	64	13690	20.73	ug/l	93
7) Trichlorofluoromethane	1.48	101	71745	21.30	ug/l	96
8) Diethyl Ether	1.70	74	12070	20.04	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	39120	22.12	ug/l	91
10) Methyl Iodide	1.93	142	48267	20.64	ug/l	92
11) Tert butyl alcohol	2.69	59	14612	97.92	ug/l #	73
12) 1,1-Dichloroethene	1.83	96	26256	20.15	ug/l	98
13) Acrolein	2.09	56	5377	79.09	ug/l	86
14) Allyl chloride	2.19	41	47699	20.61	ug/l	93
15) Acrylonitrile	3.07	53	30089	102.18	ug/l	95
16) Acetone	2.34	43	87852	119.17	ug/l	100
17) Carbon Disulfide	1.84	76	87448	21.44	ug/l	100
18) Methyl Acetate	2.45	43	30551	21.95	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	84095	20.15	ug/l #	92
20) Methylene Chloride	2.27	84	33017	19.63	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	28519	19.56	ug/l	94
22) Diisopropyl ether	2.93	45	99525	19.21	ug/l	99
23) Vinyl Acetate	3.34	43	323685	117.92	ug/l	99
24) 1,1-Dichloroethane	3.00	63	66242	20.70	ug/l	99
25) 2-Butanone	4.51	43	107229	111.98	ug/l	100
26) 2,2-Dichloropropane	3.76	77	72877	22.01	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	46214	22.37	ug/l	88
28) Bromochloromethane	3.89	49	29253	21.65	ug/l #	76
29) Tetrahydrofuran	4.26	42	37795	104.54	ug/l	96
30) Chloroform	4.04	83	94804	21.10	ug/l	96
31) Cyclohexane	3.86	56	54675	22.42	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	83930	21.81	ug/l	99
36) 1,1-Dichloropropene	4.46	75	64512	21.80	ug/l	97
37) Ethyl Acetate	4.30	43	39558	22.35	ug/l #	88
38) Carbon Tetrachloride	4.18	117	73082	21.33	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	61392	22.12	ug/l	86
40) Benzene	4.81	78	136146	21.06	ug/l	92
41) Methacrylonitrile	4.93	41	18589	20.76	ug/l	94
42) 1,2-Dichloroethane	5.12	62	70613	20.37	ug/l	97
43) Isopropyl Acetate	7.11	43	47737	21.43	ug/l #	93
44) Trichloroethene	5.68	130	49985	23.39	ug/l	94
45) 1,2-Dichloropropane	6.41	63	39510	21.61	ug/l	98
46) Dibromomethane	6.26	93	31554	22.05	ug/l	99
47) Bromodichloromethane	6.55	83	73886	21.38	ug/l	96
48) Methyl methacrylate	6.88	41	29807	20.22	ug/l	87
49) 1,4-Dioxane	6.87	88	6611	467.19	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	224748	116.83	ug/l	98
52) Toluene	7.79	92	104195	22.34	ug/l	92
53) t-1,3-Dichloropropene	8.44	75	69118	22.05	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	78412	22.42	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	37071	21.25	ug/l	96
56) Ethyl methacrylate	8.76	69	44753	21.20	ug/l	98
57) 1,3-Dichloropropane	9.01	76	68153	22.23	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	16771	100.07	ug/l	100
59) 2-Hexanone	9.64	43	191398	122.93	ug/l	100
60) Dibromochloromethane	8.87	129	54792	21.28	ug/l	95
61) 1,2-Dibromoethane	9.15	107	43767	21.36	ug/l	95
64) Tetrachloroethene	8.31	164	46147	19.88	ug/l	96
65) Chlorobenzene	9.94	112	136660	21.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	50291	20.38	ug/l	97
67) Ethyl Benzene	10.04	91	241801	21.54	ug/l	100
68) m/p-Xylenes	10.27	106	179343	43.47	ug/l	98
69) o-Xylene	10.83	106	99472	22.61	ug/l	96
70) Styrene	10.91	104	148765	22.04	ug/l	97
71) Bromoform	10.89	173	35657	20.71	ug/l	97
73) Isopropylbenzene	11.24	105	284980	22.83	ug/l	99
74) N-amyl acetate	11.47	43	84436	21.77	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	57099	20.95	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	43633	20.64	ug/l	92
77) Bromobenzene	11.60	156	74391	21.92	ug/l	99
78) n-propylbenzene	11.69	91	340102	22.08	ug/l	98
79) 2-Chlorotoluene	11.82	91	194225	21.44	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	240838	22.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	19737m	20.41	ug/l	
82) 4-Chlorotoluene	11.99	91	214293	21.79	ug/l	99
83) tert-Butylbenzene	12.22	119	235726	22.23	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	250434	21.66	ug/l	97
85) sec-Butylbenzene	12.39	105	326612	22.12	ug/l	97
86) p-Isopropyltoluene	12.55	119	270618	22.09	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	136328	21.72	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	131660	21.11	ug/l	98
89) n-Butylbenzene	12.92	91	282767	23.76	ug/l	99
90) Hexachloroethane	13.00	117	59707	21.69	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	129493	21.46	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10785	19.36	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	98042	22.06	ug/l	98
94) Hexachlorobutadiene	14.26	225	62014	22.42	ug/l	98
95) Naphthalene	14.53	128	139240	19.52	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	93703	22.10	ug/l	99

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

