

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061518.D
 Acq On : 25 Jan 2019 13:51
 Operator : VA/AP
 Sample : VF01251SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:48:12 PM

Quant Time: Jan 28 00:42:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191269	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	347663	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	314377	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	159059	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	114362	48.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	4.11	113	130852	47.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	7.56	98	352833	46.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.41	95	155229	44.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	65056	17.311	ug/l	88
3) Chloromethane	1.11	50	52072	18.897	ug/l	98
4) Vinyl Chloride	1.15	62	48043	19.599	ug/l	95
5) Bromomethane	1.32	94	30134	18.852	ug/l #	73
6) Chloroethane	1.40	64	21292	19.603	ug/l	96
7) Trichlorofluoromethane	1.48	101	80239	16.838	ug/l	87
8) Diethyl Ether	1.63	74	12771	20.915	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	40208	17.560	ug/l	92
10) Methyl Iodide	1.91	142	70181m	19.771	ug/l	
11) Tert butyl alcohol	2.58	59	11185	111.899	ug/l	99
12) 1,1-Dichloroethene	1.80	96	33061	19.435	ug/l	96
13) Acrolein	1.99	56	6935	87.555	ug/l	84
14) Allyl chloride	2.09	41	51858	26.460	ug/l	91
15) Acrylonitrile	2.94	53	27380	106.937	ug/l	94
16) Acetone	2.24	43	60858	128.464	ug/l	98
17) Carbon Disulfide	1.83	76	96302m	18.156	ug/l	
18) Methyl Acetate	2.35	43	18878	20.094	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	72401	18.986	ug/l	99
20) Methylene Chloride	2.18	84	36168m	21.489	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	31033	16.580	ug/l #	75
22) Diisopropyl ether	2.80	45	125196	20.681	ug/l	99
23) Vinyl Acetate	3.19	43	293668	112.072	ug/l	98
24) 1,1-Dichloroethane	2.87	63	74551	19.621	ug/l	97
25) 2-Butanone	4.33	43	94176	119.542	ug/l	98
26) 2,2-Dichloropropane	3.60	77	41556	17.802	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	53680	19.429	ug/l	96
28) Bromochloromethane	3.72	49	37857	22.166	ug/l #	95
29) Tetrahydrofuran	4.08	42	35454	104.515	ug/l	98
30) Chloroform	3.87	83	102203	19.932	ug/l	96
31) Cyclohexane	3.69	56	74626m	19.662	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	62481	16.618	ug/l	94
36) 1,1-Dichloropropene	4.28	75	75551	18.743	ug/l	95
37) Ethyl Acetate	4.11	43	34662	21.512	ug/l #	78
38) Carbon Tetrachloride	4.00	117	60878	17.275	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	77655	17.776	ug/l	95
40) Benzene	4.64	78	178761	19.930	ug/l	100
41) Methacrylonitrile	4.76	41	17385	20.277	ug/l #	82
42) 1,2-Dichloroethane	4.94	62	58557	18.320	ug/l	95
43) Isopropyl Acetate	6.97	43	38915	19.243	ug/l #	90
44) Trichloroethene	5.51	130	56817	20.649	ug/l	97
45) 1,2-Dichloropropane	6.24	63	48243	20.493	ug/l	100
46) Dibromomethane	6.09	93	27997	17.886	ug/l	90
47) Bromodichloromethane	6.39	83	75933	19.606	ug/l	98
48) Methyl methacrylate	6.73	41	24854	18.302	ug/l	91
49) 1,4-Dioxane	6.71	88	3805	356.753	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	158129	106.361	ug/l	99
52) Toluene	7.63	92	104341	17.665	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	58768	19.109	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	79998	20.811	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	33495	19.969	ug/l	96
56) Ethyl methacrylate	8.62	69	35803	18.346	ug/l	95
57) 1,3-Dichloropropane	8.86	76	57769	18.374	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	34271	176.555	ug/l	98
59) 2-Hexanone	9.49	43	123920	119.531	ug/l	96
60) Dibromochloromethane	8.72	129	45009	18.354	ug/l	97
61) 1,2-Dibromoethane	8.99	107	36565	19.042	ug/l	91
64) Tetrachloroethene	8.16	164	44209	18.700	ug/l	97
65) Chlorobenzene	9.80	112	123986	19.394	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	50782	19.940	ug/l	98
67) Ethyl Benzene	9.90	91	231203	19.794	ug/l	97
68) m/p-Xylenes	10.13	106	168173	40.031	ug/l	98
69) o-Xylene	10.71	106	88183	19.367	ug/l	94
70) Styrene	10.79	104	124401	19.960	ug/l	98
71) Bromoform	10.77	173	23061	20.153	ug/l	98
73) Isopropylbenzene	11.13	105	265627	20.533	ug/l	99
74) N-amyl acetate	11.37	43	75089	24.547	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	47529	20.623	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	35185	21.247	ug/l	99
77) Bromobenzene	11.49	156	53362	19.532	ug/l	85
78) n-propylbenzene	11.59	91	317170	18.775	ug/l	96
79) 2-Chlorotoluene	11.72	91	172198	19.185	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	216254	20.714	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	14847m	20.625	ug/l	
82) 4-Chlorotoluene	11.90	91	181588	20.048	ug/l	94
83) tert-Butylbenzene	12.13	119	226640	20.974	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	221914	20.636	ug/l	91
85) sec-Butylbenzene	12.30	105	306222	20.868	ug/l	95
86) p-Isopropyltoluene	12.46	119	253610	21.053	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	109452	19.047	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	101331	19.627	ug/l	98
89) n-Butylbenzene	12.84	91	258520	20.809	ug/l	96
90) Hexachloroethane	12.91	117	57646	20.301	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	96976	18.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8204	20.070	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	69275	19.349	ug/l	93
94) Hexachlorobutadiene	14.19	225	39779	17.905	ug/l	97
95) Naphthalene	14.45	128	125935	18.514	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	61334	18.506	ug/l	98

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

