

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060499.D
 Acq On : 9 Oct 2018 20:03
 Operator : VA/AP
 Sample : VF1009SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:12 PM

Quant Time: Oct 10 02:51:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	254950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	417178	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	345842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	196781	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	200609	51.88	ug/l	0.00
Spiked Amount						
			Recovery	=	103.76%	
35) Dibromofluoromethane	4.26	113	210721	54.87	ug/l	0.00
Spiked Amount						
			Recovery	=	109.74%	
50) Toluene-d8	7.68	98	455715	49.37	ug/l	0.00
Spiked Amount						
			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.49	95	207217	51.17	ug/l	0.00
Spiked Amount						
			Recovery	=	102.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	121055	24.725	ug/l	98
3) Chloromethane	1.14	50	72204	23.296	ug/l	92
4) Vinyl Chloride	1.17	62	75865	22.566	ug/l	91
5) Bromomethane	1.36	94	57250	21.654	ug/l	98
6) Chloroethane	1.43	64	40031	22.526	ug/l #	87
7) Trichlorofluoromethane	1.54	101	164137	21.782	ug/l	94
8) Diethyl Ether	1.69	74	24056	22.311	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.88	101	84650	22.457	ug/l	97
10) Methyl Iodide	1.95	142	131209m	21.955	ug/l	
11) Tert butyl alcohol	2.67	59	24765	122.239	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	67340	21.387	ug/l #	74
13) Acrolein	2.08	56	13940	132.643	ug/l	95
14) Allyl chloride	2.17	41	101004	21.762	ug/l	98
15) Acrylonitrile	3.05	53	43954	103.054	ug/l	97
16) Acetone	2.33	43	93694	114.755	ug/l	93
17) Carbon Disulfide	1.89	76	196371	22.427	ug/l	96
18) Methyl Acetate	2.44	43	32999	21.424	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	157377	22.204	ug/l	96
20) Methylene Chloride	2.31	84	66160m	22.495	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	70074	23.844	ug/l	96
22) Diisopropyl ether	2.91	45	205566	21.547	ug/l	98
23) Vinyl Acetate	3.30	43	357585	107.070	ug/l	100
24) 1,1-Dichloroethane	2.98	63	140035	21.872	ug/l	98
25) 2-Butanone	4.48	43	97915	106.169	ug/l	100
26) 2,2-Dichloropropane	3.74	77	70918	21.244	ug/l	93
27) cis-1,2-Dichloroethene	3.60	96	70999	20.697	ug/l	89
28) Bromochloromethane	3.86	49	45011	20.241	ug/l	94
29) Tetrahydrofuran	4.22	42	39002	100.321	ug/l	94
30) Chloroform	4.00	83	159268	21.496	ug/l	99
31) Cyclohexane	3.83	56	88466	21.599	ug/l	96
32) 1,1,1-Trichloroethane	4.24	97	108165	18.531	ug/l	98
36) 1,1-Dichloropropene	4.42	75	110809	22.835	ug/l	93
37) Ethyl Acetate	4.25	43	38648	22.548	ug/l	90
38) Carbon Tetrachloride	4.13	117	116980	23.999	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	98935	21.654	ug/l	95
40) Benzene	4.78	78	204551	20.531	ug/l	97
41) Methacrylonitrile	4.90	41	19184	19.699	ug/l #	85
42) 1,2-Dichloroethane	5.08	62	92015	20.358	ug/l	98
43) Isopropyl Acetate	7.08	43	39793	18.627	ug/l #	98
44) Trichloroethene	5.64	130	70818	22.817	ug/l	96
45) 1,2-Dichloropropane	6.37	63	52090	21.358	ug/l	94
46) Dibromomethane	6.22	93	34505	17.637	ug/l	89
47) Bromodichloromethane	6.52	83	102921	20.830	ug/l	98
48) Methyl methacrylate	6.84	41	27923	19.296	ug/l	87
49) 1,4-Dioxane	6.85	88	5399	393.547	ug/l #	87
51) 4-Methyl-2-Pentanone	8.37	43	142693	95.753	ug/l	99
52) Toluene	7.75	92	124725	19.877	ug/l	89
53) t-1,3-Dichloropropene	8.40	75	76108	19.833	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	91638	20.504	ug/l	92
55) 1,1,2-Trichloroethane	8.61	97	38392	19.908	ug/l	98
56) Ethyl methacrylate	8.74	69	37025	16.594	ug/l	98
57) 1,3-Dichloropropane	8.97	76	66705	20.088	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	24033	105.996	ug/l	100
59) 2-Hexanone	9.60	43	105944	98.284	ug/l	97
60) Dibromochloromethane	8.83	129	62073	20.506	ug/l	90
61) 1,2-Dibromoethane	9.11	107	43193	19.823	ug/l	98
64) Tetrachloroethene	8.27	164	59727	21.789	ug/l	92
65) Chlorobenzene	9.91	112	142056	21.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	66946	22.128	ug/l	97
67) Ethyl Benzene	10.01	91	276975	21.858	ug/l	96
68) m/p-Xylenes	10.24	106	192329	44.462	ug/l	90
69) o-Xylene	10.81	106	108481	23.060	ug/l	95
70) Styrene	10.87	104	150764	22.265	ug/l	98
71) Bromoform	10.86	173	33597	21.904	ug/l #	97
73) Isopropylbenzene	11.21	105	331510	22.664	ug/l	98
74) N-amyl acetate	11.45	43	62300	19.568	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	54826	22.300	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	38829	20.430	ug/l	88
77) Bromobenzene	11.57	156	69432	21.360	ug/l	95
78) n-propylbenzene	11.67	91	398815	22.893	ug/l	99
79) 2-Chlorotoluene	11.79	91	223107	21.876	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	276894	22.565	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	18142m	21.893	ug/l	
82) 4-Chlorotoluene	11.97	91	227530	21.624	ug/l	96
83) tert-Butylbenzene	12.19	119	278953	22.613	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	280167	22.488	ug/l	100
85) sec-Butylbenzene	12.37	105	379995	22.713	ug/l	100
86) p-Isopropyltoluene	12.52	119	304958	22.204	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	134394	21.706	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	126287	21.032	ug/l	98
89) n-Butylbenzene	12.90	91	334368	23.265	ug/l	98
90) Hexachloroethane	12.97	117	78051	23.765	ug/l	80
91) 1,2-Dichlorobenzene	13.00	146	133683	22.429	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9343	17.904	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	102095	22.181	ug/l	98
94) Hexachlorobutadiene	14.25	225	70047	22.384	ug/l	91
95) Naphthalene	14.51	128	169615	21.436	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	93494	21.802	ug/l	89

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

