

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060649.D
 Acq On : 8 Nov 2018 14:29
 Operator : VA/AP
 Sample : VF1108SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Manual Integrations
 APPROVED

apatel
 11/9/2018 3:31:48 PM

Quant Time: Nov 09 13:24:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	253856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	418806	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	387247	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	210278	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	134086	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.56%		
35) Dibromofluoromethane	4.10	113	166524	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.92%		
50) Toluene-d8	7.55	98	446966	46.63	ug/l	-0.01
Spiked Amount 50.000			Recovery =	93.26%		
62) 4-Bromofluorobenzene	11.40	95	203739	48.59	ug/l	-0.01
Spiked Amount 50.000			Recovery =	97.18%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	92802	33.679	ug/l	92
3) Chloromethane	1.10	50	64163	28.880	ug/l #	86
4) Vinyl Chloride	1.14	62	55355	27.038	ug/l	95
5) Bromomethane	1.32	94	28251	24.584	ug/l	95
6) Chloroethane	1.37	64	18489	22.663	ug/l	90
7) Trichlorofluoromethane	1.48	101	98711	25.761	ug/l	99
8) Diethyl Ether	1.63	74	13267	18.681	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.82	101	57566	26.290	ug/l	90
10) Methyl Iodide	1.89	142	85238	23.656	ug/l	96
11) Tert butyl alcohol	2.57	59	11702	82.579	ug/l	91
12) 1,1-Dichloroethene	1.79	96	41849	22.692	ug/l	90
13) Acrolein	2.00	56	8332	75.520	ug/l	84
14) Allyl chloride	2.09	41	71924	23.885	ug/l	92
15) Acrylonitrile	2.93	53	31059	101.606	ug/l	88
16) Acetone	2.23	43	69261	114.597	ug/l	92
17) Carbon Disulfide	1.82	76	124745	24.013	ug/l	99
18) Methyl Acetate	2.34	43	15679	17.020	ug/l #	88
19) Methyl tert-butyl Ether	2.43	73	90814	21.065	ug/l	99
20) Methylene Chloride	2.17	84	42499m	20.491	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	41236	21.313	ug/l	97
22) Diisopropyl ether	2.79	45	145275	22.770	ug/l #	90
23) Vinyl Acetate	3.18	43	368654	96.171	ug/l	96
24) 1,1-Dichloroethane	2.87	63	88466	23.959	ug/l	99
25) 2-Butanone	4.32	43	134214	98.661	ug/l	100
26) 2,2-Dichloropropane	3.59	77	67094	24.285	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	80984	21.926	ug/l	98
28) Bromochloromethane	3.71	49	48534	20.945	ug/l	96
29) Tetrahydrofuran	4.07	42	46878	98.107	ug/l	99
30) Chloroform	3.85	83	139658	23.907	ug/l	95
31) Cyclohexane	3.69	56	115320	22.632	ug/l	96
32) 1,1,1-Trichloroethane	4.08	97	103658	25.407	ug/l	98
36) 1,1-Dichloropropene	4.27	75	109413	23.727	ug/l	98
37) Ethyl Acetate	4.10	43	41059	18.548	ug/l	85
38) Carbon Tetrachloride	3.99	117	93056	23.616	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	128566	22.847	ug/l	97
40) Benzene	4.63	78	253144	22.615	ug/l	96
41) Methacrylonitrile	4.74	41	23117	18.441	ug/l	95
42) 1,2-Dichloroethane	4.94	62	73686	22.936	ug/l	99
43) Isopropyl Acetate	6.96	43	56368	20.131	ug/l #	98
44) Trichloroethene	5.50	130	71384	21.220	ug/l	99
45) 1,2-Dichloropropane	6.24	63	62540	21.846	ug/l	94
46) Dibromomethane	6.08	93	38873	21.404	ug/l	91
47) Bromodichloromethane	6.38	83	95968	21.908	ug/l	96
48) Methyl methacrylate	6.71	41	31944	18.152	ug/l	96
49) 1,4-Dioxane	6.70	88	5475	297.408	ug/l #	87
51) 4-Methyl-2-Pentanone	8.26	43	202260	107.418	ug/l	99
52) Toluene	7.62	92	152966	20.979	ug/l	91
53) t-1,3-Dichloropropene	8.27	75	77714	20.412	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	107252	22.296	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	41742	19.673	ug/l	96
56) Ethyl methacrylate	8.61	69	55339	20.271	ug/l	92
57) 1,3-Dichloropropane	8.85	76	71576	19.225	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	22231	116.140	ug/l	100
59) 2-Hexanone	9.49	43	165672	119.516	ug/l	94
60) Dibromochloromethane	8.71	129	47916	16.147	ug/l	94
61) 1,2-Dibromoethane	8.99	107	46175	20.694	ug/l	97
64) Tetrachloroethene	8.15	164	60785	20.029	ug/l	97
65) Chlorobenzene	9.80	112	164594	20.784	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	68470	20.462	ug/l	95
67) Ethyl Benzene	9.89	91	305214	21.238	ug/l	99
68) m/p-Xylenes	10.13	106	219830	40.609	ug/l	97
69) o-Xylene	10.71	106	121924	20.627	ug/l	92
70) Styrene	10.78	104	176418	20.601	ug/l	98
71) Bromoform	10.77	173	32277	18.677	ug/l	98
73) Isopropylbenzene	11.12	105	365252	22.272	ug/l	95
74) N-amyl acetate	11.36	43	97355	21.391	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	60137	20.091	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	28462	19.348	ug/l	95
77) Bromobenzene	11.49	156	73448	20.468	ug/l	96
78) n-propylbenzene	11.59	91	427198	22.265	ug/l	99
79) 2-Chlorotoluene	11.72	91	238150	21.734	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	290612	21.499	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	21708m	18.777	ug/l	
82) 4-Chlorotoluene	11.90	91	248028	21.695	ug/l	99
83) tert-Butylbenzene	12.12	119	314973	22.809	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	297456	22.471	ug/l	96
85) sec-Butylbenzene	12.30	105	436992	23.004	ug/l	98
86) p-Isopropyltoluene	12.46	119	345820	22.106	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	149774	21.265	ug/l	94
88) 1,4-Dichlorobenzene	12.56	146	148965	22.299	ug/l	96
89) n-Butylbenzene	12.84	91	372732	21.967	ug/l	94
90) Hexachloroethane	12.91	117	88019	22.125	ug/l	76
91) 1,2-Dichlorobenzene	12.94	146	143816	21.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	10622	20.425	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	102916	22.991	ug/l	93
94) Hexachlorobutadiene	14.19	225	65385	22.541	ug/l	97
95) Naphthalene	14.45	128	190772	21.292	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	88120	20.839	ug/l	92

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

