

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060394.D
 Acq On : 1 Oct 2018 21:00
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF100118

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:50 PM

Quant Time: Oct 02 12:06:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	295490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	475520	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	419497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	223983	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	215052	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
35) Dibromofluoromethane	4.27	113	225439	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
50) Toluene-d8	7.69	98	567239	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.49	95	239650	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	303578	47.523	ug/l	96
3) Chloromethane	1.12	50	210988	52.583	ug/l	95
4) Vinyl Chloride	1.17	62	211673	50.712	ug/l	99
5) Bromomethane	1.35	94	157122	48.598	ug/l	97
6) Chloroethane	1.43	64	108013	51.855	ug/l	95
7) Trichlorofluoromethane	1.53	101	443761	45.823	ug/l	97
8) Diethyl Ether	1.69	74	67600	50.935	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	224257	48.344	ug/l	99
10) Methyl Iodide	1.97	142	363298m	51.356	ug/l	
11) Tert butyl alcohol	2.67	59	63388	226.647	ug/l #	82
12) 1,1-Dichloroethene	1.85	96	184857	51.575	ug/l	92
13) Acrolein	2.08	56	57244	254.510	ug/l	98
14) Allyl chloride	2.18	41	307466	53.536	ug/l	87
15) Acrylonitrile	3.05	53	150465	313.975	ug/l #	89
16) Acetone	2.33	43	206258	213.067	ug/l #	88
17) Carbon Disulfide	1.89	76	575202	52.997	ug/l	96
18) Methyl Acetate	2.43	43	83582	48.028	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	439817	50.380	ug/l	98
20) Methylene Chloride	2.27	84	173726m	51.664	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	188181	52.569	ug/l	100
22) Diisopropyl ether	2.91	45	536186	51.435	ug/l	93
23) Vinyl Acetate	3.31	43	1096395	264.766	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	353083	50.086	ug/l	99
25) 2-Butanone	4.48	43	292564	244.366	ug/l	94
26) 2,2-Dichloropropane	3.73	77	181759	45.523	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	209126	52.250	ug/l	95
28) Bromochloromethane	3.85	49	127722	49.159	ug/l	89
29) Tetrahydrofuran	4.22	42	128116	284.707	ug/l	99
30) Chloroform	4.01	83	409908	47.123	ug/l	99
31) Cyclohexane	3.83	56	283820m	56.068	ug/l	
32) 1,1,1-Trichloroethane	4.25	97	336056	46.426	ug/l	93
36) 1,1-Dichloropropene	4.43	75	308461	52.614	ug/l	97
37) Ethyl Acetate	4.26	43	117195	52.200	ug/l #	95
38) Carbon Tetrachloride	4.14	117	291203	40.805	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	314585	54.734	ug/l	88
40) Benzene	4.78	78	639752	54.967	ug/l	98
41) Methacrylonitrile	4.89	41	63411	53.269	ug/l	92
42) 1,2-Dichloroethane	5.09	62	255705	46.052	ug/l	99
43) Isopropyl Acetate	7.09	43	146775	54.098	ug/l #	91
44) Trichloroethene	5.65	130	192278	51.488	ug/l	100
45) 1,2-Dichloropropane	6.38	63	164841	53.183	ug/l #	87
46) Dibromomethane	6.23	93	125422	50.329	ug/l	92
47) Bromodichloromethane	6.52	83	289546	46.914	ug/l	97
48) Methyl methacrylate	6.85	41	92857	47.678	ug/l	96
49) 1,4-Dioxane	6.84	88	18109	1078.398	ug/l #	87
51) 4-Methyl-2-Pentanone	8.38	43	520839	269.678	ug/l	95
52) Toluene	7.76	92	405081	51.242	ug/l	97
53) t-1,3-Dichloropropene	8.40	75	227113	46.955	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	288120	50.968	ug/l	95
55) 1,1,2-Trichloroethane	8.61	97	116737	46.588	ug/l	86
56) Ethyl methacrylate	8.73	69	150674	52.917	ug/l	98
57) 1,3-Dichloropropane	8.98	76	203223	47.940	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	70002	240.686	ug/l	100
59) 2-Hexanone	9.61	43	355699	251.092	ug/l	97
60) Dibromochloromethane	8.84	129	184226	48.830	ug/l	98
61) 1,2-Dibromoethane	9.11	107	134611	49.095	ug/l	100
64) Tetrachloroethene	8.28	164	171745	51.502	ug/l	96
65) Chlorobenzene	9.92	112	437678	50.791	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.04	131	188126	49.999	ug/l	100
67) Ethyl Benzene	10.01	91	812222	49.572	ug/l	98
68) m/p-Xylenes	10.25	106	578254	102.663	ug/l	91
69) o-Xylene	10.81	106	317806	51.764	ug/l	94
70) Styrene	10.88	104	425766	48.754	ug/l	99
71) Bromoform	10.87	173	100123	49.981	ug/l #	97
73) Isopropylbenzene	11.21	105	931311	52.808	ug/l	100
74) N-amyl acetate	11.44	43	233487	57.686	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	164339	51.112	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	117752	49.746	ug/l	93
77) Bromobenzene	11.58	156	201201	51.037	ug/l	84
78) n-propylbenzene	11.67	91	1070336	50.063	ug/l	100
79) 2-Chlorotoluene	11.80	91	629442	50.330	ug/l	91
80) 1,3,5-Trimethylbenzene	11.90	105	770016	51.391	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	50697m	48.316	ug/l	
82) 4-Chlorotoluene	11.98	91	632114	49.399	ug/l	100
83) tert-Butylbenzene	12.20	119	764363	51.721	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	756271	50.894	ug/l	99
85) sec-Butylbenzene	12.37	105	1062879	52.104	ug/l	98
86) p-Isopropyltoluene	12.53	119	865904	51.958	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	369945	49.869	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	369076	50.455	ug/l	97
89) n-Butylbenzene	12.90	91	872106	49.453	ug/l	96
90) Hexachloroethane	12.98	117	219833	51.037	ug/l	86
91) 1,2-Dichlorobenzene	13.00	146	337630	47.501	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	31598	50.693	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	260451	49.025	ug/l	95
94) Hexachlorobutadiene	14.24	225	180003	48.546	ug/l	97
95) Naphthalene	14.51	128	536479	56.479	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	264939	53.200	ug/l	94

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

