

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060538.D
 Acq On : 29 Oct 2018 20:16
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VICV102918

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:07:37 PM

Quant Time: Oct 30 05:36:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	292361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	482254	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	397378	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	221048	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	226082	50.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	4.30	113	215894	46.65	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.30%	
50) Toluene-d8	7.72	98	555896	49.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.51	95	223550	42.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	291413	59.516	ug/l	98
3) Chloromethane	1.14	50	191939	64.171	ug/l	89
4) Vinyl Chloride	1.19	62	195720	55.837	ug/l	98
5) Bromomethane	1.39	94	139472	50.630	ug/l	89
6) Chloroethane	1.43	64	93027	50.972	ug/l	99
7) Trichlorofluoromethane	1.56	101	434604	51.462	ug/l	94
8) Diethyl Ether	1.70	74	56364	53.216	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	212744	57.181	ug/l	93
10) Methyl Iodide	1.97	142	352907	55.246	ug/l	91
11) Tert butyl alcohol	2.68	59	51677	290.444	ug/l	96
12) 1,1-Dichloroethene	1.86	96	175492	53.413	ug/l	97
13) Acrolein	2.09	56	46842	286.309	ug/l	98
14) Allyl chloride	2.19	41	298231	57.086	ug/l	84
15) Acrylonitrile	3.08	53	119524	265.062	ug/l	96
16) Acetone	2.33	43	203784	234.357	ug/l	97
17) Carbon Disulfide	1.91	76	505046	54.695	ug/l	99
18) Methyl Acetate	2.45	43	74002	53.272	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	382127	51.908	ug/l	96
20) Methylene Chloride	2.28	84	165767m	55.844	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	185726	55.269	ug/l	95
22) Diisopropyl ether	2.93	45	551358	58.102	ug/l	99
23) Vinyl Acetate	3.34	43	934454	265.467	ug/l	100
24) 1,1-Dichloroethane	3.00	63	372969	54.467	ug/l	98
25) 2-Butanone	4.51	43	253680	239.184	ug/l	94
26) 2,2-Dichloropropane	3.77	77	189346	44.495	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	198833	49.071	ug/l	95
28) Bromochloromethane	3.89	49	121184	49.131	ug/l	97
29) Tetrahydrofuran	4.26	42	98643	262.435	ug/l	97
30) Chloroform	4.04	83	434023	50.187	ug/l	95
31) Cyclohexane	3.87	56	236999	48.473	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	362587	50.714	ug/l	95
36) 1,1-Dichloropropene	4.46	75	285124	47.452	ug/l	95
37) Ethyl Acetate	4.30	43	95254	48.968	ug/l #	91
38) Carbon Tetrachloride	4.18	117	344492m	47.884	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	280121	46.165	ug/l	98
40) Benzene	4.82	78	598329	50.207	ug/l	96
41) Methacrylonitrile	4.93	41	51622	46.426	ug/l #	88
42) 1,2-Dichloroethane	5.12	62	271557	49.074	ug/l	92
43) Isopropyl Acetate	7.11	43	121260	51.501	ug/l #	89
44) Trichloroethene	5.69	130	187382	48.641	ug/l	92
45) 1,2-Dichloropropane	6.42	63	153691	51.679	ug/l	95
46) Dibromomethane	6.26	93	121270	51.928	ug/l	96
47) Bromodichloromethane	6.55	83	303268	50.609	ug/l	95
48) Methyl methacrylate	6.88	41	84703	52.156	ug/l	92
49) 1,4-Dioxane	6.87	88	15978	1057.610	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	408471	239.499	ug/l	93
52) Toluene	7.79	92	381937	49.368	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	217498	46.464	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	269465	48.573	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	106218	45.822	ug/l	92
56) Ethyl methacrylate	8.77	69	126133	48.493	ug/l	95
57) 1,3-Dichloropropane	9.01	76	186744	47.604	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	71908	268.238	ug/l	100
59) 2-Hexanone	9.64	43	311776	248.059	ug/l	97
60) Dibromochloromethane	8.87	129	175454	46.985	ug/l	92
61) 1,2-Dibromoethane	9.15	107	119560	44.547	ug/l	92
64) Tetrachloroethene	8.31	164	168307	50.105	ug/l	99
65) Chlorobenzene	9.95	112	413170	51.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	180481	49.540	ug/l	96
67) Ethyl Benzene	10.04	91	781465	51.156	ug/l	100
68) m/p-Xylenes	10.28	106	526878	100.992	ug/l	99
69) o-Xylene	10.83	106	297094	50.565	ug/l	92
70) Styrene	10.91	104	410384	49.543	ug/l	98
71) Bromoform	10.90	173	92424	49.185	ug/l #	90
73) Isopropylbenzene	11.24	105	902348	53.401	ug/l	99
74) N-amyl acetate	11.47	43	203107	60.022	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	133687	47.413	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	103235	48.672	ug/l	82
77) Bromobenzene	11.60	156	193179	51.961	ug/l	88
78) n-propylbenzene	11.69	91	1020896	50.938	ug/l	97
79) 2-Chlorotoluene	11.82	91	594165	49.532	ug/l	91
80) 1,3,5-Trimethylbenzene	11.92	105	735256	50.359	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	50729m	54.756	ug/l	
82) 4-Chlorotoluene	11.99	91	610054	49.051	ug/l	96
83) tert-Butylbenzene	12.22	119	728231	51.470	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	739009	49.830	ug/l	99
85) sec-Butylbenzene	12.39	105	959426	48.386	ug/l	96
86) p-Isopropyltoluene	12.55	119	827986	50.877	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	360742	48.610	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	355720	50.789	ug/l	94
89) n-Butylbenzene	12.92	91	844298	56.895	ug/l	98
90) Hexachloroethane	13.00	117	212367	50.558	ug/l	87
91) 1,2-Dichlorobenzene	13.03	146	345735	49.450	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	27527	47.085	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	265716	50.739	ug/l	95
94) Hexachlorobutadiene	14.26	225	180054	48.559	ug/l	95
95) Naphthalene	14.53	128	491171	53.021	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	246033	49.357	ug/l	96

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

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