

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054169.D
 Acq On : 12 Mar 2019 17:49
 Operator : JC/SP
 Sample : VN0312WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:36 AM

Quant Time: Mar 13 07:55:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1528265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2262978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1958672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	904817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	797266	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.59	113	725867	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.09	98	2634931	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	902146	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	318000	21.955	ug/l	99
3) Chloromethane	2.06	50	288699	20.520	ug/l	100
4) Vinyl Chloride	2.19	62	330631	20.560	ug/l	99
5) Bromomethane	2.58	94	227736	20.448	ug/l	95
6) Chloroethane	2.71	64	191331	19.665	ug/l	99
7) Trichlorofluoromethane	3.02	101	425321	19.893	ug/l	99
8) Diethyl Ether	3.41	74	210165	21.571	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	346047	21.599	ug/l	99
10) Methyl Iodide	3.94	142	420346	19.418	ug/l	99
11) Tert butyl alcohol	4.81	59	110360	99.186	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	343916	21.661	ug/l	98
13) Acrolein	3.61	56	97230	92.219	ug/l	96
14) Allyl chloride	4.32	41	433162	21.264	ug/l	100
15) Acrylonitrile	4.99	53	485701	106.270	ug/l	99
16) Acetone	3.82	43	398658	85.787	ug/l	98
17) Carbon Disulfide	4.04	76	827406	20.789	ug/l	99
18) Methyl Acetate	4.33	43	209019	22.232	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	854740	21.719	ug/l	100
20) Methylene Chloride	4.54	84	324053	21.237	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	323617	21.273	ug/l	95
22) Diisopropyl ether	5.96	45	848948	20.881	ug/l	98
23) Vinyl Acetate	5.90	43	3178037	106.019	ug/l	100
24) 1,1-Dichloroethane	5.85	63	555206	21.268	ug/l	99
25) 2-Butanone	6.85	43	553080	101.403	ug/l	99
26) 2,2-Dichloropropane	6.82	77	467379	20.359	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	371588	21.895	ug/l	99
28) Bromochloromethane	7.19	49	219254	20.545	ug/l	98
29) Tetrahydrofuran	7.22	42	361404	103.056	ug/l	99
30) Chloroform	7.37	83	587789	21.578	ug/l	99
31) Cyclohexane	7.65	56	523480	20.730	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	526495	21.401	ug/l	100
36) 1,1-Dichloropropene	7.79	75	441265	21.174	ug/l	99
37) Ethyl Acetate	6.94	43	251008	20.962	ug/l	99
38) Carbon Tetrachloride	7.77	117	452346	20.698	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	543055	21.179	ug/l	99
40) Benzene	8.04	78	1309297	21.955	ug/l	99
41) Methacrylonitrile	7.18	41	138432	20.247	ug/l	97
42) 1,2-Dichloroethane	8.13	62	436960	21.703	ug/l	99
43) Isopropyl Acetate	8.17	43	448479	21.337	ug/l	99
44) Trichloroethene	8.83	130	405275	21.876	ug/l	99
45) 1,2-Dichloropropane	9.12	63	320666	21.655	ug/l	97
46) Dibromomethane	9.21	93	215525	21.541	ug/l	99
47) Bromodichloromethane	9.40	83	430074	21.442	ug/l	99
48) Methyl methacrylate	9.20	41	221924	20.806	ug/l	97
49) 1,4-Dioxane	9.20	88	61832	409.818	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1175800	105.708	ug/l	99
52) Toluene	10.16	92	816975	21.606	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	418377	19.498	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	493618	21.118	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	301163	21.812	ug/l	96
56) Ethyl methacrylate	10.43	69	340768	20.699	ug/l	99
57) 1,3-Dichloropropane	10.71	76	485805	21.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	622011	98.053	ug/l	100
59) 2-Hexanone	10.75	43	753027	101.743	ug/l	99
60) Dibromochloromethane	10.90	129	327552	21.077	ug/l	100
61) 1,2-Dibromoethane	11.00	107	301569	21.493	ug/l	100
64) Tetrachloroethene	10.63	164	410722	21.688	ug/l	99
65) Chlorobenzene	11.43	112	937700	21.803	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	342113	21.898	ug/l	99
67) Ethyl Benzene	11.51	91	1535348	21.536	ug/l	99
68) m/p-Xylenes	11.62	106	1215405	43.619	ug/l	100
69) o-Xylene	11.95	106	595092	21.908	ug/l	100
70) Styrene	11.96	104	924639	21.705	ug/l	99
71) Bromoform	12.13	173	217917	19.788	ug/l	100
73) Isopropylbenzene	12.25	105	1590208	21.967	ug/l	99
74) N-amyl acetate	12.07	43	334741	20.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	335494	21.752	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	308972m	23.221	ug/l	
77) Bromobenzene	12.53	156	417171	21.778	ug/l	98
78) n-propylbenzene	12.59	91	1732026	22.050	ug/l	100
79) 2-Chlorotoluene	12.67	91	1040694	22.035	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1305156	21.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	72808	18.705	ug/l	93
82) 4-Chlorotoluene	12.77	91	1016579	21.556	ug/l	99
83) tert-Butylbenzene	12.99	119	1216633	21.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1299054	21.991	ug/l	100
85) sec-Butylbenzene	13.17	105	1582368	22.015	ug/l	100
86) p-Isopropyltoluene	13.29	119	1374059	21.791	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	710991	22.027	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	690066	21.763	ug/l	99
89) n-Butylbenzene	13.62	91	1053915	21.997	ug/l	100
90) Hexachloroethane	13.88	117	215505	20.640	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	704906	22.339	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50395	21.115	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	380209	21.470	ug/l	98
94) Hexachlorobutadiene	15.01	225	262536	21.843	ug/l	98
95) Naphthalene	15.13	128	741771	20.864	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	378966	22.604	ug/l	99

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

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