

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054281.D
 Acq On : 15 Mar 2019 00:54
 Operator : JC/SP
 Sample : VN0314WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:22 AM

Quant Time: Mar 15 08:22:03 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	1327101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2075162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1775491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	791627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	731695	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	674764	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	2405092	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	789983	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	264992	21.069	ug/l	98
3) Chloromethane	2.06	50	241747	19.787	ug/l	99
4) Vinyl Chloride	2.19	62	284261	20.356	ug/l	100
5) Bromomethane	2.58	94	190406	19.687	ug/l	93
6) Chloroethane	2.71	64	169360	20.045	ug/l	98
7) Trichlorofluoromethane	3.02	101	369836	19.920	ug/l	99
8) Diethyl Ether	3.41	74	193057	22.819	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	299316	21.514	ug/l	99
10) Methyl Iodide	3.94	142	362872	19.313	ug/l	99
11) Tert butyl alcohol	4.82	59	93553	96.826	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	298635	21.660	ug/l	98
13) Acrolein	3.61	56	66382	72.505	ug/l	99
14) Allyl chloride	4.32	41	345557	19.535	ug/l	100
15) Acrylonitrile	5.00	53	439953	110.852	ug/l	99
16) Acetone	3.82	43	319359	79.140	ug/l	100
17) Carbon Disulfide	4.04	76	602556	17.434	ug/l	99
18) Methyl Acetate	4.33	43	199256	24.406	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	745410	21.812	ug/l	100
20) Methylene Chloride	4.55	84	286037	21.587	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	278119	21.054	ug/l	98
22) Diisopropyl ether	5.96	45	757837	21.466	ug/l	99
23) Vinyl Acetate	5.90	43	2640685	101.446	ug/l	100
24) 1,1-Dichloroethane	5.85	63	485674	21.425	ug/l	99
25) 2-Butanone	6.85	43	483318	102.045	ug/l	99
26) 2,2-Dichloropropane	6.82	77	287957	14.445	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	327645	22.233	ug/l	94
28) Bromochloromethane	7.19	49	188006	20.287	ug/l	96
29) Tetrahydrofuran	7.22	42	324525	106.567	ug/l	99
30) Chloroform	7.37	83	518207	21.907	ug/l	99
31) Cyclohexane	7.65	56	434543	19.761	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	442510	20.714	ug/l	99
36) 1,1-Dichloropropene	7.79	75	378764	19.820	ug/l	99
37) Ethyl Acetate	6.94	43	220446	20.076	ug/l	99
38) Carbon Tetrachloride	7.77	117	377774	18.850	ug/l	97

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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)
39) Methylcyclohexane	9.08	83	441650	18.783	ug/l	100
40) Benzene	8.04	78	1151748	21.061	ug/l	100
41) Methacrylonitrile	7.18	41	109725	17.501	ug/l	88
42) 1,2-Dichloroethane	8.13	62	388186	21.025	ug/l	99
43) Isopropyl Acetate	8.17	43	373360	19.371	ug/l	100
44) Trichloroethene	8.83	130	350174	20.613	ug/l	99
45) 1,2-Dichloropropane	9.12	63	288354	21.235	ug/l	98
46) Dibromomethane	9.21	93	189568	20.662	ug/l	98
47) Bromodichloromethane	9.40	83	375239	20.401	ug/l	99
48) Methyl methacrylate	9.20	41	188926	19.315	ug/l	94
49) 1,4-Dioxane	9.21	88	58778	424.835	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1051542	103.093	ug/l	100
52) Toluene	10.16	92	718430	20.719	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	319222	16.557	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	395363	18.446	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	265472	20.968	ug/l	99
56) Ethyl methacrylate	10.43	69	302729	20.053	ug/l	99
57) 1,3-Dichloropropane	10.71	76	434266	20.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	550421	95.210	ug/l	99
59) 2-Hexanone	10.75	43	651074	95.929	ug/l	100
60) Dibromochloromethane	10.90	129	277682	19.485	ug/l	100
61) 1,2-Dibromoethane	11.01	107	270400	21.016	ug/l	98
64) Tetrachloroethene	10.63	164	369133	21.503	ug/l	97
65) Chlorobenzene	11.43	112	821637	21.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	293196	20.703	ug/l	98
67) Ethyl Benzene	11.51	91	1321822	20.454	ug/l	100
68) m/p-Xylenes	11.62	106	1043494	41.313	ug/l	98
69) o-Xylene	11.95	106	516806	20.989	ug/l	98
70) Styrene	11.96	104	782704	20.269	ug/l	99
71) Bromoform	12.13	173	176980	17.973	ug/l #	100
73) Isopropylbenzene	12.25	105	1361199	21.492	ug/l	99
74) N-amyl acetate	12.07	43	276291	19.653	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	294774	21.845	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	265372m	22.796	ug/l	
77) Bromobenzene	12.53	156	361047	21.543	ug/l	96
78) n-propylbenzene	12.59	91	1434208	20.869	ug/l	100
79) 2-Chlorotoluene	12.68	91	873222	21.133	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1109363	21.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47451	13.934	ug/l #	85
82) 4-Chlorotoluene	12.77	91	843071	20.433	ug/l	99
83) tert-Butylbenzene	12.99	119	1037485	21.396	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1101196	21.307	ug/l	99
85) sec-Butylbenzene	13.17	105	1308310	20.805	ug/l	100
86) p-Isopropyltoluene	13.29	119	1126319	20.416	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	586062	20.753	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	568111	20.478	ug/l	99
89) n-Butylbenzene	13.62	91	802136	19.136	ug/l	100
90) Hexachloroethane	13.88	117	165368	18.102	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	591620	21.430	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41475	19.863	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	290968	19.095	ug/l	99
94) Hexachlorobutadiene	15.01	225	205238	19.517	ug/l	98
95) Naphthalene	15.13	128	606578	19.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	302453	20.619	ug/l	99

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

