

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054438.D
 Acq On : 19 Mar 2019 14:04
 Operator : JC/SP
 Sample : VN0319WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 12:21:41 PM

Quant Time: Mar 20 04:20:54 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	7.67	168	1367190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2082192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1771810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	804559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	639775	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
35) Dibromofluoromethane	7.59	113	644918	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.09	98	2328965	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.40	95	770770	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	240212	18.538	ug/l	98
3) Chloromethane	2.06	50	228474	18.152	ug/l	99
4) Vinyl Chloride	2.19	62	249448	17.340	ug/l	99
5) Bromomethane	2.58	94	167768	16.838	ug/l	99
6) Chloroethane	2.71	64	145052	16.665	ug/l	96
7) Trichlorofluoromethane	3.02	101	305561	15.976	ug/l	100
8) Diethyl Ether	3.41	74	164135	18.831	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	257113	17.939	ug/l	99
10) Methyl Iodide	3.95	142	372745	19.261	ug/l	99
11) Tert butyl alcohol	4.82	59	84568	84.960	ug/l	99
12) 1,1-Dichloroethene	3.73	96	253378	17.839	ug/l	97
13) Acrolein	3.61	56	60039	63.654	ug/l	96
14) Allyl chloride	4.32	41	332405	18.240	ug/l	93
15) Acrylonitrile	4.99	53	446615	109.231	ug/l	99
16) Acetone	3.82	43	283236	68.130	ug/l	97
17) Carbon Disulfide	4.04	76	509254	14.302	ug/l	100
18) Methyl Acetate	4.33	43	203408	24.184	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	738996	20.990	ug/l	98
20) Methylene Chloride	4.55	84	284759	20.860	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	262061	19.257	ug/l	98
22) Diisopropyl ether	5.96	45	751307	20.657	ug/l	96
23) Vinyl Acetate	5.90	43	2478042	92.406	ug/l	98
24) 1,1-Dichloroethane	5.84	63	474075	20.300	ug/l	99
25) 2-Butanone	6.85	43	482257	98.836	ug/l	97
26) 2,2-Dichloropropane	6.82	77	306725	14.935	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	318225	20.960	ug/l	96
28) Bromochloromethane	7.20	49	187541	19.644	ug/l	94
29) Tetrahydrofuran	7.22	42	321693	102.539	ug/l	95
30) Chloroform	7.37	83	496166	20.360	ug/l	99
31) Cyclohexane	7.65	56	430794	18.969	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	401050	18.223	ug/l	99
36) 1,1-Dichloropropene	7.79	75	362404	18.900	ug/l	99
37) Ethyl Acetate	6.94	43	216461	19.646	ug/l	98
38) Carbon Tetrachloride	7.77	117	336543	16.736	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	426071	18.059	ug/l	98
40) Benzene	8.04	78	1129016	20.576	ug/l	98
41) Methacrylonitrile	7.18	41	105748	16.810	ug/l	89
42) 1,2-Dichloroethane	8.12	62	341649	18.442	ug/l	96
43) Isopropyl Acetate	8.17	43	344771	17.827	ug/l	95
44) Trichloroethene	8.83	130	336407	19.735	ug/l	100
45) 1,2-Dichloropropane	9.12	63	285754	20.973	ug/l	98
46) Dibromomethane	9.21	93	179764	19.527	ug/l	99
47) Bromodichloromethane	9.40	83	333149	18.051	ug/l	100
48) Methyl methacrylate	9.20	41	188618	19.218	ug/l	92
49) 1,4-Dioxane	9.21	88	57779	416.205	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1025602	100.210	ug/l	94
52) Toluene	10.16	92	709528	20.393	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	294175	15.369	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	391486	18.203	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	264851	20.848	ug/l	99
56) Ethyl methacrylate	10.43	69	305920	20.195	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	429489	20.676	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	567054	97.306	ug/l	100
59) 2-Hexanone	10.75	43	641045	94.133	ug/l	95
60) Dibromochloromethane	10.90	129	254153	17.774	ug/l	100
61) 1,2-Dibromoethane	11.01	107	259278	20.083	ug/l	100
64) Tetrachloroethene	10.63	164	335628	19.592	ug/l	99
65) Chlorobenzene	11.43	112	801262	20.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	272449	19.278	ug/l	98
67) Ethyl Benzene	11.51	91	1296604	20.105	ug/l	99
68) m/p-Xylenes	11.62	106	1039580	41.244	ug/l	97
69) o-Xylene	11.95	106	521496	21.224	ug/l	96
70) Styrene	11.96	104	799031	20.735	ug/l	99
71) Bromoform	12.13	173	157455	16.279	ug/l #	99
73) Isopropylbenzene	12.25	105	1333816	20.721	ug/l	99
74) N-amyl acetate	12.07	43	285629	19.991	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	299533	21.841	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	243690m	20.597	ug/l	
77) Bromobenzene	12.53	156	379419	22.275	ug/l	88
78) n-propylbenzene	12.59	91	1407813	20.156	ug/l	99
79) 2-Chlorotoluene	12.67	91	867007	20.645	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1091824	20.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45235	13.070	ug/l #	82
82) 4-Chlorotoluene	12.77	91	840315	20.039	ug/l	98
83) tert-Butylbenzene	12.99	119	998131	20.253	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1090037	20.752	ug/l	100
85) sec-Butylbenzene	13.17	105	1246803	19.508	ug/l	99
86) p-Isopropyltoluene	13.29	119	1107889	19.759	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	577165	20.109	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	559559	19.846	ug/l	99
89) n-Butylbenzene	13.62	91	798892	18.752	ug/l	99
90) Hexachloroethane	13.87	117	145326	15.653	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	585189	20.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36979	17.425	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	292803	18.932	ug/l	100
94) Hexachlorobutadiene	15.01	225	184041	17.220	ug/l	99
95) Naphthalene	15.13	128	652752	20.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	298302	20.009	ug/l	98

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

