

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054458.D
 Acq On : 20 Mar 2019 11:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:16:11 PM

Quant Time: Mar 20 13:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	503204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	815312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	698497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	303053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	132421	24.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.56%	
35) Dibromofluoromethane	7.59	113	107386	20.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.84%	
50) Toluene-d8	10.09	98	402951	20.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.50%	
62) 4-Bromofluorobenzene	12.40	95	136501	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	103266	21.653	ug/l	100
3) Chloromethane	2.06	50	140588	30.348	ug/l	96
4) Vinyl Chloride	2.19	62	141283	26.683	ug/l	99
5) Bromomethane	2.57	94	85583	23.337	ug/l	94
6) Chloroethane	2.71	64	80321	25.072	ug/l	99
7) Trichlorofluoromethane	3.02	101	170714	24.250	ug/l	99
8) Diethyl Ether	3.41	74	62788	19.572	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	98427	18.658	ug/l	96
10) Methyl Iodide	3.94	142	142715	20.563	ug/l	95
11) Tert butyl alcohol	4.83	59	38678	105.574	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	99838	19.098	ug/l	85
13) Acrolein	3.61	56	45256	130.362	ug/l	99
14) Allyl chloride	4.32	41	181850	27.112	ug/l #	94
15) Acrylonitrile	5.00	53	193356	128.485	ug/l	99
16) Acetone	3.82	43	214652	140.284	ug/l #	84
17) Carbon Disulfide	4.04	76	249950	19.073	ug/l	98
18) Methyl Acetate	4.33	43	82127	26.529	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	293901	22.681	ug/l	96
20) Methylene Chloride	4.55	84	114497	22.789	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	103610	20.685	ug/l	85
22) Diisopropyl ether	5.96	45	370868	27.704	ug/l #	93
23) Vinyl Acetate	5.90	43	1308738	132.596	ug/l	95
24) 1,1-Dichloroethane	5.85	63	201916	23.491	ug/l	98
25) 2-Butanone	6.85	43	262114	145.952	ug/l	89
26) 2,2-Dichloropropane	6.82	77	141957	18.780	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	122066	21.844	ug/l	90
28) Bromochloromethane	7.20	49	102093	29.054	ug/l #	78
29) Tetrahydrofuran	7.22	42	161847	140.165	ug/l	88
30) Chloroform	7.37	83	197134	21.979	ug/l	100
31) Cyclohexane	7.65	56	200514	21.672	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	163884	20.232	ug/l	95
36) 1,1-Dichloropropene	7.79	75	151472	20.174	ug/l	97
37) Ethyl Acetate	6.94	43	110970	25.722	ug/l	97
38) Carbon Tetrachloride	7.77	117	145226	18.444	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	172815	18.707	ug/l	91
40) Benzene	8.04	78	440508	20.502	ug/l	99
41) Methacrylonitrile	7.18	41	64971	26.376	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	160393	22.111	ug/l	98
43) Isopropyl Acetate	8.17	43	177953	23.500	ug/l #	95
44) Trichloroethene	8.83	130	124396	18.637	ug/l	96
45) 1,2-Dichloropropane	9.12	63	121313	22.739	ug/l	98
46) Dibromomethane	9.21	93	70492	19.555	ug/l	91
47) Bromodichloromethane	9.40	83	145191	20.091	ug/l	97
48) Methyl methacrylate	9.20	41	96849	25.202	ug/l #	85
49) 1,4-Dioxane	9.21	88	22780	419.071	ug/l #	90
51) 4-Methyl-2-Pentanone	9.99	43	514659	128.425	ug/l	94
52) Toluene	10.16	92	271468	19.927	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	130335	17.720	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	169281	20.102	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	96645	19.428	ug/l	99
56) Ethyl methacrylate	10.43	69	127160	21.438	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	170582	20.972	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	250868	111.653	ug/l	92
59) 2-Hexanone	10.75	43	332955	124.863	ug/l	93
60) Dibromochloromethane	10.90	129	101235	18.081	ug/l	99
61) 1,2-Dibromoethane	11.01	107	97076	19.203	ug/l	99
64) Tetrachloroethene	10.63	164	119001	17.621	ug/l	94
65) Chlorobenzene	11.43	112	284439	18.546	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	104174	18.697	ug/l	99
67) Ethyl Benzene	11.51	91	503258	19.795	ug/l	99
68) m/p-Xylenes	11.62	106	385267	38.772	ug/l	99
69) o-Xylene	11.95	106	187673	19.374	ug/l	97
70) Styrene	11.96	104	303975	20.009	ug/l	97
71) Bromoform	12.13	173	60637	16.442	ug/l #	98
73) Isopropylbenzene	12.25	105	492562	20.315	ug/l	99
74) N-amyl acetate	12.07	43	148244	27.545	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	112226	21.725	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	98432m	22.087	ug/l	
77) Bromobenzene	12.53	156	118396	18.454	ug/l	87
78) n-propylbenzene	12.59	91	532098	20.225	ug/l	98
79) 2-Chlorotoluene	12.67	91	329358	20.821	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	402335	19.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22483	17.246	ug/l #	80
82) 4-Chlorotoluene	12.77	91	319910	20.253	ug/l	97
83) tert-Butylbenzene	12.99	119	348724	18.786	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	395486	19.989	ug/l	98
85) sec-Butylbenzene	13.17	105	433730	18.017	ug/l	98
86) p-Isopropyltoluene	13.29	119	388861	18.412	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	199747	18.476	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	192673	18.142	ug/l	98
89) n-Butylbenzene	13.61	91	298634	18.610	ug/l	99
90) Hexachloroethane	13.87	117	58350	16.685	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	199426	18.869	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	16484	20.621	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95981	17.572	ug/l	99
94) Hexachlorobutadiene	15.01	225	61500	15.277	ug/l	98
95) Naphthalene	15.13	128	206743	18.401	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	95810	17.062	ug/l	99

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

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