

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058845.D
 Acq On : 18 Oct 2019 9:37
 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
 10/21/2019 10:47:11 AM

Quant Time: Oct 19 00:05:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	392153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	630021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	117237	21.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.32%	
35) Dibromofluoromethane	7.57	113	85858	21.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.60%	
50) Toluene-d8	10.08	98	330433	21.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.14%	
62) 4-Bromofluorobenzene	12.40	95	115649	19.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106153	21.779	ug/l	100
3) Chloromethane	2.04	50	125519	21.418	ug/l	98
4) Vinyl Chloride	2.17	62	124523	21.356	ug/l	97
5) Bromomethane	2.55	94	77570	21.612	ug/l	96
6) Chloroethane	2.69	64	80268	22.196	ug/l	98
7) Trichlorofluoromethane	3.00	101	156613	22.141	ug/l	98
8) Diethyl Ether	3.39	74	51542	20.153	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84325	21.195	ug/l	99
10) Methyl Iodide	3.93	142	110566	20.519	ug/l	99
11) Tert butyl alcohol	4.76	59	92657	102.425	ug/l	99
12) 1,1-Dichloroethene	3.72	96	78974	20.878	ug/l	95
13) Acrolein	3.58	56	65088	91.563	ug/l	98
14) Allyl chloride	4.30	41	159985	20.862	ug/l	99
15) Acrylonitrile	4.96	53	252084	110.662	ug/l	99
16) Acetone	3.79	43	334025	139.513	ug/l	98
17) Carbon Disulfide	4.03	76	254041	20.878	ug/l	99
18) Methyl Acetate	4.30	43	128391	21.964	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	276178	20.461	ug/l	98
20) Methylene Chloride	4.53	84	96338	20.188	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	87407	20.673	ug/l	99
22) Diisopropyl ether	5.93	45	321765	21.536	ug/l	98
23) Vinyl Acetate	5.87	43	1345143	111.540	ug/l	100
24) 1,1-Dichloroethane	5.82	63	180419	21.298	ug/l	100
25) 2-Butanone	6.81	43	393096	116.339	ug/l	98
26) 2,2-Dichloropropane	6.80	77	158043	20.460	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99461	20.127	ug/l	99
28) Bromochloromethane	7.18	49	58953	20.039	ug/l	99
29) Tetrahydrofuran	7.19	42	237138	109.657	ug/l	100
30) Chloroform	7.35	83	177995	20.851	ug/l	99
31) Cyclohexane	7.64	56	163039	20.059	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	154455	21.279	ug/l	99
36) 1,1-Dichloropropene	7.78	75	130975	20.358	ug/l	99
37) Ethyl Acetate	6.91	43	151680	23.057	ug/l	99
38) Carbon Tetrachloride	7.75	117	137596	21.949	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	144768	19.496	ug/l	96
40) Benzene	8.02	78	389177	21.017	ug/l	98
41) Methacrylonitrile	7.16	41	63120m	21.146	ug/l	
42) 1,2-Dichloroethane	8.11	62	150749	21.218	ug/l	99
43) Isopropyl Acetate	8.15	43	233265	20.977	ug/l	100
44) Trichloroethene	8.82	130	94594	20.684	ug/l	97
45) 1,2-Dichloropropane	9.11	63	107452	21.646	ug/l	96
46) Dibromomethane	9.20	93	67343	21.471	ug/l	99
47) Bromodichloromethane	9.39	83	139244	21.755	ug/l	98
48) Methyl methacrylate	9.19	41	103723	20.519	ug/l	98
49) 1,4-Dioxane	9.18	88	34665	440.740	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	754955	120.078	ug/l	99
52) Toluene	10.15	92	239780	21.216	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	152554	20.797	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	164288	21.063	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	96206	20.785	ug/l	97
56) Ethyl methacrylate	10.43	69	143569	21.230	ug/l	98
57) 1,3-Dichloropropane	10.70	76	169442	21.437	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	311098	97.268	ug/l	99
59) 2-Hexanone	10.75	43	577517	118.495	ug/l	98
60) Dibromochloromethane	10.90	129	104104	21.783	ug/l	98
61) 1,2-Dibromoethane	11.00	107	98166	21.157	ug/l	98
64) Tetrachloroethene	10.63	164	84667	19.935	ug/l	98
65) Chlorobenzene	11.43	112	251794	20.430	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	94665	20.753	ug/l	97
67) Ethyl Benzene	11.51	91	447638	20.381	ug/l	96
68) m/p-Xylenes	11.62	106	331711	40.258	ug/l	98
69) o-Xylene	11.95	106	155663	19.548	ug/l	100
70) Styrene	11.96	104	252922	19.389	ug/l	99
71) Bromoform	12.13	173	69888	20.763	ug/l #	99
73) Isopropylbenzene	12.25	105	423017	20.868	ug/l	99
74) N-amyl acetate	12.07	43	189704	20.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	145710	21.646	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	141376m	22.608	ug/l	
77) Bromobenzene	12.53	156	103553	20.963	ug/l	97
78) n-propylbenzene	12.59	91	510466	21.582	ug/l	100
79) 2-Chlorotoluene	12.68	91	300047	20.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	360891	20.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48522	20.827	ug/l	95
82) 4-Chlorotoluene	12.78	91	308347	20.482	ug/l	99
83) tert-Butylbenzene	13.00	119	301209	20.322	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	364683	21.198	ug/l	100
85) sec-Butylbenzene	13.18	105	412494	21.098	ug/l	99
86) p-Isopropyltoluene	13.29	119	363964	20.535	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	184517	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	180441	19.523	ug/l	98
89) n-Butylbenzene	13.62	91	329921	20.126	ug/l	99
90) Hexachloroethane	13.88	117	69311	21.637	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	182207	20.550	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33256	21.093	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	98037	18.293	ug/l	97
94) Hexachlorobutadiene	15.01	225	56194	19.730	ug/l	98
95) Naphthalene	15.13	128	279988	18.217	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	97759	18.646	ug/l	98

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

