

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057801.D
 Acq On : 9 Sep 2019 15:26
 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
 9/10/2019 4:30:00 PM

Quant Time: Sep 10 02:47:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	326171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	529021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	136498	17.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.72%	
35) Dibromofluoromethane	7.58	113	100679	20.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.88%	
50) Toluene-d8	10.09	98	401207	22.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.50%	
62) 4-Bromofluorobenzene	12.40	95	138689	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89474	17.644	ug/l	100
3) Chloromethane	2.03	50	85940	9.803	ug/l	98
4) Vinyl Chloride	2.16	62	93943	20.787	ug/l	97
5) Bromomethane	2.54	94	58145	26.326	ug/l	98
6) Chloroethane	2.68	64	60177	22.291	ug/l	98
7) Trichlorofluoromethane	2.99	101	106501	15.239	ug/l	99
8) Diethyl Ether	3.39	74	47490	17.051	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	73902	16.868	ug/l	100
10) Methyl Iodide	3.93	142	81918	18.592	ug/l	99
11) Tert butyl alcohol	4.77	59	79124	88.294	ug/l	99
12) 1,1-Dichloroethene	3.71	96	64505	16.456	ug/l	98
13) Acrolein	3.58	56	66396	137.461	ug/l	99
14) Allyl chloride	4.30	41	121745	13.902	ug/l	99
15) Acrylonitrile	4.96	53	214305	93.629	ug/l	100
16) Acetone	3.80	43	239827	99.396	ug/l	96
17) Carbon Disulfide	4.03	76	100634	11.851	ug/l	99
18) Methyl Acetate	4.30	43	113835	17.426	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	280823	16.942	ug/l	98
20) Methylene Chloride	4.53	84	86205	16.739	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	68480	16.596	ug/l	96
22) Diisopropyl ether	5.93	45	305256	16.052	ug/l	96
23) Vinyl Acetate	5.87	43	1132044	75.226	ug/l	99
24) 1,1-Dichloroethane	5.83	63	167390	17.092	ug/l	99
25) 2-Butanone	6.82	43	320755	93.115	ug/l	100
26) 2,2-Dichloropropane	6.81	77	130221	16.109	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	95248	18.066	ug/l	99
28) Bromochloromethane	7.18	49	86363	16.669	ug/l	98
29) Tetrahydrofuran	7.20	42	185922	84.337	ug/l	100
30) Chloroform	7.36	83	170252	16.661	ug/l	98
31) Cyclohexane	7.63	56	122118	14.427	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	133596	15.852	ug/l	99
36) 1,1-Dichloropropene	7.78	75	112396	16.414	ug/l	98
37) Ethyl Acetate	6.91	43	121323	17.861	ug/l	98
38) Carbon Tetrachloride	7.76	117	103520	15.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	116858	16.237	ug/l	96
40) Benzene	8.03	78	351018	17.931	ug/l	97
41) Methacrylonitrile	7.15	41	52752	15.854	ug/l	95
42) 1,2-Dichloroethane	8.11	62	142796	15.912	ug/l	100
43) Isopropyl Acetate	8.15	43	204054	15.732	ug/l	100
44) Trichloroethene	8.82	130	85134	19.233	ug/l	94
45) 1,2-Dichloropropane	9.11	63	103875	18.896	ug/l	98
46) Dibromomethane	9.20	93	62221	17.811	ug/l	99
47) Bromodichloromethane	9.40	83	122897	16.566	ug/l	99
48) Methyl methacrylate	9.19	41	98729	14.809	ug/l	97
49) 1,4-Dioxane	9.19	88	35592	438.299	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	646102	88.534	ug/l	100
52) Toluene	10.15	92	216492	18.115	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	125084	16.712	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143458	17.682	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92162	18.898	ug/l	97
56) Ethyl methacrylate	10.43	69	140423	18.190	ug/l	98
57) 1,3-Dichloropropane	10.71	76	161601	18.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	366746	93.529	ug/l	100
59) 2-Hexanone	10.75	43	477017	91.905	ug/l	100
60) Dibromochloromethane	10.90	129	83983	17.875	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88561	19.067	ug/l	98
64) Tetrachloroethene	10.63	164	67036	17.644	ug/l	98
65) Chlorobenzene	11.43	112	243891	18.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	85267	18.959	ug/l	99
67) Ethyl Benzene	11.51	91	438223	17.878	ug/l	99
68) m/p-Xylenes	11.62	106	320219	37.555	ug/l	100
69) o-Xylene	11.95	106	156256	18.426	ug/l	96
70) Styrene	11.96	104	272003	18.481	ug/l	99
71) Bromoform	12.13	173	49290	17.019	ug/l #	98
73) Isopropylbenzene	12.25	105	441117	18.580	ug/l	100
74) N-amyl acetate	12.07	43	181927	15.627	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	141556	19.553	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	121159m	19.400	ug/l	
77) Bromobenzene	12.53	156	102792	19.710	ug/l	96
78) n-propylbenzene	12.59	91	507416	18.082	ug/l	99
79) 2-Chlorotoluene	12.68	91	304433	17.785	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	372549	18.438	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30697	15.375	ug/l	92
82) 4-Chlorotoluene	12.78	91	309710	17.524	ug/l	100
83) tert-Butylbenzene	13.00	119	322719	18.783	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	375932	18.763	ug/l	99
85) sec-Butylbenzene	13.17	105	440290	18.687	ug/l	99
86) p-Isopropyltoluene	13.29	119	388427	19.318	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	190392	19.340	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185987	18.888	ug/l	99
89) n-Butylbenzene	13.62	91	360970	18.314	ug/l	99
90) Hexachloroethane	13.88	117	52900	17.038	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	186979	19.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23725	17.104	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	112966	19.538	ug/l	100
94) Hexachlorobutadiene	15.01	225	51071	18.436	ug/l	99
95) Naphthalene	15.13	128	327242	19.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106872	19.341	ug/l	100

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

