

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057612.D
 Acq On : 31 Aug 2019 13:35
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:51:52 AM

Quant Time: Aug 31 15:23:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	177626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	270183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	111268	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	79730	24.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.08%	
35) Dibromofluoromethane	7.58	113	50167	23.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.02%	
50) Toluene-d8	10.08	98	202872	25.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.28%	
62) 4-Bromofluorobenzene	12.40	95	68177	24.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	56559	25.318	ug/l	98
3) Chloromethane	2.05	50	68714	22.234	ug/l	97
4) Vinyl Chloride	2.18	62	52775	15.112	ug/l	100
5) Bromomethane	2.51	94	33459	15.631	ug/l	97
6) Chloroethane	2.66	64	29539	13.265	ug/l	98
7) Trichlorofluoromethane	2.99	101	74354	13.766	ug/l	97
8) Diethyl Ether	3.40	74	24992	12.400	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37295	12.558	ug/l	98
10) Methyl Iodide	3.92	142	49744	21.095	ug/l	98
11) Tert butyl alcohol	4.82	59	41528	103.724	ug/l #	88
12) 1,1-Dichloroethene	3.71	96	33753	11.895	ug/l	97
13) Acrolein	3.59	56	17840	58.240	ug/l	98
14) Allyl chloride	4.29	41	101784	22.190	ug/l	98
15) Acrylonitrile	4.97	53	128539	117.188	ug/l	99
16) Acetone	3.81	43	125254	84.877	ug/l	98
17) Carbon Disulfide	4.02	76	102457	17.641	ug/l	96
18) Methyl Acetate	4.31	43	78839	20.622	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	176667	23.122	ug/l	95
20) Methylene Chloride	4.52	84	57947	23.449	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	51539	23.073	ug/l	92
22) Diisopropyl ether	5.94	45	215312	23.771	ug/l	100
23) Vinyl Acetate	5.88	43	853267	119.686	ug/l	100
24) 1,1-Dichloroethane	5.82	63	110256	23.179	ug/l	99
25) 2-Butanone	6.83	43	194695	118.438	ug/l	96
26) 2,2-Dichloropropane	6.80	77	86187	21.146	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	61048	23.135	ug/l	97
28) Bromochloromethane	7.18	49	60486	24.130	ug/l	97
29) Tetrahydrofuran	7.20	42	119547	111.928	ug/l	100
30) Chloroform	7.36	83	111909	22.651	ug/l	95
31) Cyclohexane	7.63	56	109619	23.766	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	89425	22.068	ug/l	98
36) 1,1-Dichloropropene	7.78	75	83495	25.885	ug/l	97
37) Ethyl Acetate	6.92	43	80344	25.363	ug/l	99
38) Carbon Tetrachloride	7.76	117	68009	21.697	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	95544	25.010	ug/l	95
40) Benzene	8.03	78	237113	24.666	ug/l	98
41) Methacrylonitrile	7.17	41	42113	27.391	ug/l	93
42) 1,2-Dichloroethane	8.11	62	93784	24.972	ug/l	99
43) Isopropyl Acetate	8.16	43	135313	23.329	ug/l	99
44) Trichloroethene	8.83	130	52211	24.423	ug/l	90
45) 1,2-Dichloropropane	9.11	63	64049	23.667	ug/l	99
46) Dibromomethane	9.20	93	40271	23.437	ug/l	96
47) Bromodichloromethane	9.40	83	78405	22.015	ug/l	98
48) Methyl methacrylate	9.19	41	69306	24.855	ug/l	97
49) 1,4-Dioxane	9.20	88	16560	471.013	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	409230	125.291	ug/l	99
52) Toluene	10.15	92	138710	24.908	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	76311	20.560	ug/l	92
54) cis-1,3-Dichloropropene	9.83	75	91934	22.199	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	52151	23.328	ug/l	96
56) Ethyl methacrylate	10.43	69	85269	24.155	ug/l	98
57) 1,3-Dichloropropane	10.71	76	97241	24.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	115113	134.339	ug/l	98
59) 2-Hexanone	10.75	43	297214	131.932	ug/l	99
60) Dibromochloromethane	10.90	129	48611	20.856	ug/l	100
61) 1,2-Dibromoethane	11.00	107	52616	24.057	ug/l	96
64) Tetrachloroethene	10.63	164	49576	24.748	ug/l	99
65) Chlorobenzene	11.43	112	136994	23.723	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	46307	21.323	ug/l	99
67) Ethyl Benzene	11.51	91	266568	23.810	ug/l	99
68) m/p-Xylenes	11.62	106	184265	48.414	ug/l	98
69) o-Xylene	11.95	106	90139	24.001	ug/l	97
70) Styrene	11.96	104	145332	24.249	ug/l	99
71) Bromoform	12.13	173	27178	18.722	ug/l #	99
73) Isopropylbenzene	12.25	105	252923	19.841	ug/l	99
74) N-amyl acetate	12.07	43	117587	20.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	76565	20.469	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	66263m	22.670	ug/l	
77) Bromobenzene	12.53	156	52678	20.648	ug/l	98
78) n-propylbenzene	12.59	91	262787	19.380	ug/l	98
79) 2-Chlorotoluene	12.68	91	171179	21.059	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	202908	20.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17778	16.366	ug/l	99
82) 4-Chlorotoluene	12.78	91	156506	20.183	ug/l	100
83) tert-Butylbenzene	12.99	119	172865	19.336	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	194291	21.759	ug/l	100
85) sec-Butylbenzene	13.17	105	224655	20.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	178105	19.899	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78701	21.126	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	74305	20.509	ug/l	97
89) n-Butylbenzene	13.62	91	176060	23.148	ug/l	98
90) Hexachloroethane	13.88	117	30013	14.953	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	76978	21.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10278	17.208	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	22078	16.947	ug/l	99
94) Hexachlorobutadiene	15.01	225	26157	23.131	ug/l	98
95) Naphthalene	15.13	128	68502	16.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	21754	15.908	ug/l	94

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

