

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059052.D
 Acq On : 1 Nov 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:58:41 PM

Quant Time: Nov 02 04:28:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	416556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	584788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238057	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	27036	4.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.04%	
35) Dibromofluoromethane	7.57	113	20870	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
50) Toluene-d8	10.08	98	76126	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
62) 4-Bromofluorobenzene	12.40	95	24919	4.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	23317	4.628	ug/l 96
3) Chloromethane	2.04	50	31685	5.007	ug/l 97
4) Vinyl Chloride	2.17	62	31081	4.967	ug/l 100
5) Bromomethane	2.54	94	20473	5.318	ug/l 94
6) Chloroethane	2.68	64	18724	4.710	ug/l 97
7) Trichlorofluoromethane	3.00	101	37504	4.878	ug/l 96
8) Diethyl Ether	3.39	74	14255	5.214	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	21402	4.932	ug/l 98
10) Methyl Iodide	3.93	142	21077	3.766	ug/l 99
11) Tert butyl alcohol	4.75	59	27921	27.589	ug/l 99
12) 1,1-Dichloroethene	3.71	96	21138	5.182	ug/l 97
13) Acrolein	3.58	56	13067	19.141	ug/l 100
14) Allyl chloride	4.29	41	37948	4.607	ug/l 90
15) Acrylonitrile	4.96	53	61024	24.137	ug/l 97
16) Acetone	3.79	43	67692	22.934	ug/l 93
17) Carbon Disulfide	4.03	76	66437	5.079	ug/l 98
18) Methyl Acetate	4.30	43	35318	5.169	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	68149	4.801	ug/l 99
20) Methylene Chloride	4.52	84	25520	4.995	ug/l 96
21) trans-1,2-Dichloroethene	5.01	96	22825	5.091	ug/l 94
22) Diisopropyl ether	5.92	45	78104	4.874	ug/l 91
23) Vinyl Acetate	5.87	43	312164	24.370	ug/l 99
24) 1,1-Dichloroethane	5.82	63	46621	5.017	ug/l 98
25) 2-Butanone	6.81	43	89696	23.263	ug/l 99
26) 2,2-Dichloropropane	6.79	77	40630	5.073	ug/l 98
27) cis-1,2-Dichloroethene	6.81	96	25193	4.928	ug/l 95
28) Bromochloromethane	7.17	49	15094	4.951	ug/l 94
29) Tetrahydrofuran	7.19	42	57312	24.239	ug/l 99
30) Chloroform	7.35	83	43063	4.650	ug/l 98
31) Cyclohexane	7.63	56	47591	5.507	ug/l # 85
32) 1,1,1-Trichloroethane	7.55	97	37457	4.810	ug/l 98
36) 1,1-Dichloropropene	7.77	75	32726	4.963	ug/l 98
37) Ethyl Acetate	6.90	43	35234	4.895	ug/l 99
38) Carbon Tetrachloride	7.75	117	32868	4.846	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	36749	4.921	ug/l	97
40) Benzene	8.02	78	99587	5.122	ug/l	97
41) Methacrylonitrile	7.15	41	13431m	4.118	ug/l	
42) 1,2-Dichloroethane	8.10	62	34877	4.728	ug/l	98
43) Isopropyl Acetate	8.15	43	55945	4.837	ug/l	98
44) Trichloroethene	8.82	130	24035	5.063	ug/l	96
45) 1,2-Dichloropropane	9.10	63	26607	4.994	ug/l	98
46) Dibromomethane	9.19	93	16884	5.033	ug/l	97
47) Bromodichloromethane	9.39	83	33072	4.794	ug/l	99
48) Methyl methacrylate	9.19	41	24064	4.615	ug/l	96
49) 1,4-Dioxane	9.18	88	7725	88.092	ug/l #	87
51) 4-Methyl-2-Pentanone	9.97	43	166837	24.814	ug/l	96
52) Toluene	10.15	92	55401	4.815	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	35517	4.638	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	38003	4.633	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	23595	4.970	ug/l	94
56) Ethyl methacrylate	10.42	69	30113	4.296	ug/l	91
57) 1,3-Dichloropropane	10.70	76	40925	4.932	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	58303	19.783	ug/l	99
59) 2-Hexanone	10.75	43	120443	23.223	ug/l	94
60) Dibromochloromethane	10.90	129	23652	4.635	ug/l	98
61) 1,2-Dibromoethane	11.00	107	22680	4.678	ug/l	97
64) Tetrachloroethene	10.63	164	20565	5.078	ug/l	95
65) Chlorobenzene	11.43	112	61251	5.196	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	21875	4.926	ug/l	94
67) Ethyl Benzene	11.51	91	103685	5.027	ug/l	98
68) m/p-Xylenes	11.62	106	73915	9.676	ug/l	99
69) o-Xylene	11.95	106	35526	4.863	ug/l	98
70) Styrene	11.96	104	53994	4.533	ug/l	99
71) Bromoform	12.13	173	15282	4.417	ug/l #	95
73) Isopropylbenzene	12.25	105	93800	5.438	ug/l	99
74) N-amyl acetate	12.07	43	36890	4.747	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	34649	5.714	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	31604m	5.724	ug/l	
77) Bromobenzene	12.53	156	23045	5.412	ug/l	96
78) n-propylbenzene	12.59	91	106389	5.224	ug/l	98
79) 2-Chlorotoluene	12.68	91	67273	5.389	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	77782	5.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10631	5.026	ug/l	93
82) 4-Chlorotoluene	12.78	91	66306	5.213	ug/l	99
83) tert-Butylbenzene	12.99	119	66349	5.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	75917	5.332	ug/l	99
85) sec-Butylbenzene	13.17	105	86873	5.279	ug/l	100
86) p-Isopropyltoluene	13.29	119	75429	5.187	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	39739	5.234	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	40416	5.320	ug/l	96
89) n-Butylbenzene	13.62	91	62073	4.675	ug/l	98
90) Hexachloroethane	13.88	117	16027	5.430	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	40561	5.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6864	5.063	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	17052	4.171	ug/l	96
94) Hexachlorobutadiene	15.01	225	13581	5.597	ug/l	94
95) Naphthalene	15.13	128	42069	3.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	17830	4.431	ug/l	96

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

