

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:13 PM

Quant Time: Sep 19 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	515274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	870870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	357482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	36709	3.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.50%	
35) Dibromofluoromethane	7.58	113	26552	3.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.06%	
50) Toluene-d8	10.08	98	107739	3.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.42%	
62) 4-Bromofluorobenzene	12.41	95	37554	3.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	24706	3.753	ug/l	93
3) Chloromethane	2.04	50	25614	3.840	ug/l	98
4) Vinyl Chloride	2.17	62	25720	3.647	ug/l	98
5) Bromomethane	2.54	94	13715	3.291	ug/l	94
6) Chloroethane	2.68	64	16660	3.688	ug/l	98
7) Trichlorofluoromethane	3.00	101	34694	3.867	ug/l	97
8) Diethyl Ether	3.39	74	14888	3.905	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	23663	4.128	ug/l #	59
10) Methyl Iodide	3.93	142	17564	2.890	ug/l	97
11) Tert butyl alcohol	4.76	59	20805	17.888	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	20377	3.964	ug/l	97
13) Acrolein	3.59	56	3253	3.699	ug/l #	81
14) Allyl chloride	4.30	41	38402	3.799	ug/l	95
15) Acrylonitrile	4.96	53	56040	17.156	ug/l	97
16) Acetone	3.80	43	61538	19.165	ug/l	98
17) Carbon Disulfide	4.03	76	39133	4.177	ug/l	95
18) Methyl Acetate	4.31	43	31154	3.625	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	81989	3.812	ug/l	97
20) Methylene Chloride	4.53	84	27291	3.910	ug/l	92
21) trans-1,2-Dichloroethene	5.02	96	23197	4.175	ug/l	94
22) Diisopropyl ether	5.93	45	90128	3.803	ug/l #	83
23) Vinyl Acetate	5.87	43	324748	19.445	ug/l	97
24) 1,1-Dichloroethane	5.82	63	50086	3.872	ug/l	98
25) 2-Butanone	6.82	43	83678	17.992	ug/l	100
26) 2,2-Dichloropropane	6.80	77	39968	3.893	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	29676	3.966	ug/l	99
28) Bromochloromethane	7.17	49	21191	3.280	ug/l #	95
29) Tetrahydrofuran	7.19	42	52196	18.211	ug/l	99
30) Chloroform	7.36	83	52548	3.875	ug/l	98
31) Cyclohexane	7.64	56	52812	5.542	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	38698	3.600	ug/l	95
36) 1,1-Dichloropropene	7.78	75	35613	3.763	ug/l	98
37) Ethyl Acetate	6.91	43	33213	3.386	ug/l	98
38) Carbon Tetrachloride	7.76	117	32284	3.721	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:13 PM

Quant Time: Sep 19 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	40220	4.053	ug/l	97
40) Benzene	8.03	78	107414	3.770	ug/l	100
41) Methacrylonitrile	7.15	41	11487m	2.582	ug/l	
42) 1,2-Dichloroethane	8.11	62	43819	3.833	ug/l	99
43) Isopropyl Acetate	8.16	43	64571	3.913	ug/l #	87
44) Trichloroethene	8.82	130	26713	3.811	ug/l	88
45) 1,2-Dichloropropane	9.11	63	30530	3.668	ug/l	98
46) Dibromomethane	9.20	93	18447	3.672	ug/l	99
47) Bromodichloromethane	9.40	83	34454	3.444	ug/l	99
48) Methyl methacrylate	9.19	41	27322	3.282	ug/l	96
49) 1,4-Dioxane	9.19	88	8970	63.413	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	169691	17.573	ug/l	97
52) Toluene	10.15	92	64713	3.610	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	32305	3.073	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	39325	3.386	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	26895	3.537	ug/l	94
56) Ethyl methacrylate	10.43	69	36958	3.244	ug/l	96
57) 1,3-Dichloropropane	10.71	76	47097	3.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	84987	15.992	ug/l	99
59) 2-Hexanone	10.75	43	120039	16.627	ug/l	98
60) Dibromochloromethane	10.90	129	22316	3.165	ug/l	99
61) 1,2-Dibromoethane	11.00	107	25046	3.494	ug/l	100
64) Tetrachloroethene	10.63	164	21636	4.068	ug/l	98
65) Chlorobenzene	11.43	112	73699	3.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	23307	3.568	ug/l	98
67) Ethyl Benzene	11.51	91	127948	3.892	ug/l	98
68) m/p-Xylenes	11.62	106	92101	7.652	ug/l	97
69) o-Xylene	11.95	106	43768	3.669	ug/l	96
70) Styrene	11.97	104	74517	3.630	ug/l	100
71) Bromoform	12.13	173	12925	3.186	ug/l #	99
73) Isopropylbenzene	12.25	105	123000	4.591	ug/l	100
74) N-amyl acetate	12.07	43	44843	3.868	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	37143	4.120	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	34200m	4.409	ug/l	
77) Bromobenzene	12.53	156	28960	4.312	ug/l	98
78) n-propylbenzene	12.60	91	142674	4.644	ug/l	98
79) 2-Chlorotoluene	12.68	91	85991	4.418	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	101953	4.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	7016	3.197	ug/l #	81
82) 4-Chlorotoluene	12.78	91	88058	4.405	ug/l	97
83) tert-Butylbenzene	13.00	119	88391	4.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	98703	4.298	ug/l	99
85) sec-Butylbenzene	13.18	105	118028	4.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	102308	4.362	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	52542	4.283	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	53390	4.273	ug/l	94
89) n-Butylbenzene	13.62	91	93482	4.206	ug/l	99
90) Hexachloroethane	13.88	117	12758	3.637	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	52063	4.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6020	4.026	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
Data File : VN058153.D
Acq On : 18 Sep 2019 9:43
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:14:13 PM

Quant Time: Sep 19 01:55:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 01:40:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	30441	3.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	16027	4.603	ug/l	96
95) Naphthalene	15.13	128	76294	3.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	28756	3.621	ug/l	98

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

