

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056939.D
 Acq On : 26 Jul 2019 9:25
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:04 AM

Quant Time: Jul 27 00:39:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	588201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	875008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	735296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	29522	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	7.57	113	27294	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	10.08	98	100937	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.39	95	29872	4.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	24758	3.990	ug/l	99
3) Chloromethane	2.05	50	33592	4.544	ug/l	95
4) Vinyl Chloride	2.18	62	32661	4.661	ug/l	100
5) Bromomethane	2.54	94	23393	5.527	ug/l	91
6) Chloroethane	2.69	64	19518	5.027	ug/l	99
7) Trichlorofluoromethane	3.00	101	45152	4.941	ug/l	99
8) Diethyl Ether	3.39	74	16568	4.842	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	28939	5.125	ug/l	97
10) Methyl Iodide	3.94	142	34022	4.168	ug/l	99
11) Tert butyl alcohol	4.76	59	19311	22.060	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	26582	4.899	ug/l	95
13) Acrolein	3.59	56	14715	30.518	ug/l	98
14) Allyl chloride	4.30	41	42257	4.792	ug/l	94
15) Acrylonitrile	4.97	53	59491	23.781	ug/l	98
16) Acetone	3.80	43	53541	25.671	ug/l	100
17) Carbon Disulfide	4.03	76	65473	4.499	ug/l	98
18) Methyl Acetate	4.31	43	31942	4.407	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	78344	4.888	ug/l	96
20) Methylene Chloride	4.54	84	32180	4.977	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	28930	4.985	ug/l	98
22) Diisopropyl ether	5.93	45	89041	4.974	ug/l	94
23) Vinyl Acetate	5.87	43	295422	23.825	ug/l	97
24) 1,1-Dichloroethane	5.82	63	53669	5.095	ug/l	97
25) 2-Butanone	6.82	43	75066	23.454	ug/l	100
26) 2,2-Dichloropropane	6.80	77	38890	5.020	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	32297	4.875	ug/l	95
28) Bromochloromethane	7.18	49	25511	5.277	ug/l	98
29) Tetrahydrofuran	7.19	42	49667	23.723	ug/l	97
30) Chloroform	7.36	83	54532	5.028	ug/l	92
31) Cyclohexane	7.64	56	55639	5.430	ug/l #	74
32) 1,1,1-Trichloroethane	7.55	97	42796	4.937	ug/l	99
36) 1,1-Dichloropropene	7.78	75	39265	4.972	ug/l	99
37) Ethyl Acetate	6.91	43	31085	4.795	ug/l #	79
38) Carbon Tetrachloride	7.76	117	35512	4.723	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056939.D
 Acq On : 26 Jul 2019 9:25
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:04 AM

Quant Time: Jul 27 00:39:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	49870	5.166	ug/l	95
40) Benzene	8.03	78	125466	5.115	ug/l	98
41) Methacrylonitrile	7.16	41	13183	4.571	ug/l #	74
42) 1,2-Dichloroethane	8.11	62	37902	5.010	ug/l	100
43) Isopropyl Acetate	8.15	43	49929	4.708	ug/l	93
44) Trichloroethene	8.82	130	34603	5.190	ug/l	97
45) 1,2-Dichloropropane	9.11	63	32980	5.015	ug/l	99
46) Dibromomethane	9.20	93	19465	4.901	ug/l	97
47) Bromodichloromethane	9.39	83	37359	4.812	ug/l	99
48) Methyl methacrylate	9.19	41	23125	4.566	ug/l	98
49) 1,4-Dioxane	9.19	88	8903	84.952	ug/l #	87
51) 4-Methyl-2-Pentanone	9.98	43	145481	23.072	ug/l	99
52) Toluene	10.15	92	73098	4.982	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	35966	4.582	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	43045	4.675	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	29612	5.013	ug/l	97
56) Ethyl methacrylate	10.42	69	35944	4.509	ug/l	99
57) 1,3-Dichloropropane	10.70	76	48520	5.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	73435	23.200	ug/l	100
59) 2-Hexanone	10.74	43	94554	21.826	ug/l	98
60) Dibromochloromethane	10.89	129	26816	4.449	ug/l	94
61) 1,2-Dibromoethane	10.99	107	27395	4.688	ug/l	97
64) Tetrachloroethene	10.62	164	36133	5.501	ug/l	94
65) Chlorobenzene	11.42	112	77944	5.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	28295	4.996	ug/l	98
67) Ethyl Benzene	11.50	91	131395	5.032	ug/l	100
68) m/p-Xylenes	11.62	106	97076	9.983	ug/l	100
69) o-Xylene	11.94	106	47462	4.988	ug/l	99
70) Styrene	11.96	104	71970	4.775	ug/l	100
71) Bromoform	12.12	173	18008	4.531	ug/l #	99
73) Isopropylbenzene	12.24	105	127405	5.795	ug/l	100
74) N-amyl acetate	12.06	43	30090	4.635	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	36054	5.628	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	29059m	6.050	ug/l	
77) Bromobenzene	12.52	156	31699	5.630	ug/l	98
78) n-propylbenzene	12.58	91	125793	5.415	ug/l	99
79) 2-Chlorotoluene	12.67	91	81462	5.633	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	103820	5.718	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	6558	4.210	ug/l #	76
82) 4-Chlorotoluene	12.77	91	73062	5.505	ug/l	100
83) tert-Butylbenzene	12.99	119	90713	5.663	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	98542	5.739	ug/l	98
85) sec-Butylbenzene	13.17	105	118039	5.835	ug/l	100
86) p-Isopropyltoluene	13.28	119	100959	5.641	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	44781	5.324	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	41838	5.179	ug/l	94
89) n-Butylbenzene	13.61	91	72397	5.234	ug/l	98
90) Hexachloroethane	13.87	117	16662	5.226	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	45654	5.354	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3755	4.291	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
Data File : VN056939.D
Acq On : 26 Jul 2019 9:25
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:04 AM

Quant Time: Jul 27 00:39:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 23:57:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	12909	3.628	ug/l	98
94) Hexachlorobutadiene	15.00	225	21613	6.248	ug/l	94
95) Naphthalene	15.12	128	28119	3.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	14465	3.787	ug/l	96

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

