

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054457.D
 Acq On : 20 Mar 2019 10:47
 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
 3/22/2019 3:16:04 PM

Quant Time: Mar 22 01:58:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	535803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	818966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	686848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271982	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	32742	5.75	ug/l	0.00
Spiked Amount			Recovery	=	11.50%	
35) Dibromofluoromethane	7.59	113	25961	4.91	ug/l	0.00
Spiked Amount			Recovery	=	9.82%	
50) Toluene-d8	10.09	98	97597	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.40	95	30966	4.54	ug/l	0.00
Spiked Amount			Recovery	=	9.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	23191	4.567	ug/l	98
3) Chloromethane	2.06	50	33526	6.797	ug/l	97
4) Vinyl Chloride	2.19	62	33290	5.905	ug/l	98
5) Bromomethane	2.57	94	22265	5.702	ug/l	91
6) Chloroethane	2.71	64	21239	6.226	ug/l	98
7) Trichlorofluoromethane	3.02	101	43122	5.753	ug/l	97
8) Diethyl Ether	3.41	74	15854	4.641	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.75	101	25799	4.593	ug/l	97
10) Methyl Iodide	3.94	142	31737	4.295	ug/l	95
11) Tert butyl alcohol	4.81	59	8612m	22.077	ug/l	
12) 1,1-Dichloroethene	3.73	96	26277	4.721	ug/l	91
13) Acrolein	3.61	56	15357	41.545	ug/l	97
14) Allyl chloride	4.32	41	43745	6.125	ug/l #	94
15) Acrylonitrile	5.00	53	46237	28.855	ug/l	97
16) Acetone	3.82	43	46046	28.262	ug/l #	86
17) Carbon Disulfide	4.04	76	60542	4.339	ug/l	99
18) Methyl Acetate	4.33	43	20470	6.210	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	72457	5.251	ug/l	97
20) Methylene Chloride	4.55	84	30597	5.719	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	25656	4.810	ug/l #	80
22) Diisopropyl ether	5.96	45	92422	6.484	ug/l #	93
23) Vinyl Acetate	5.90	43	301783	28.715	ug/l	95
24) 1,1-Dichloroethane	5.85	63	51399	5.616	ug/l	100
25) 2-Butanone	6.85	43	60107	31.433	ug/l	90
26) 2,2-Dichloropropane	6.83	77	33562	4.170	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	31467	5.289	ug/l	93
28) Bromochloromethane	7.19	49	24072	6.434	ug/l #	76
29) Tetrahydrofuran	7.22	42	40565	32.993	ug/l #	83
30) Chloroform	7.37	83	50083	5.244	ug/l	97
31) Cyclohexane	7.65	56	57925	5.880	ug/l #	88
32) 1,1,1-Trichloroethane	7.56	97	40645	4.712	ug/l	96
36) 1,1-Dichloropropene	7.79	75	35892	4.759	ug/l	97
37) Ethyl Acetate	6.93	43	26598	6.138	ug/l #	97
38) Carbon Tetrachloride	7.77	117	34932	4.417	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054457.D
 Acq On : 20 Mar 2019 10:47
 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
 3/22/2019 3:16:04 PM

Quant Time: Mar 22 01:58:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	43575	4.696	ug/l	94
40) Benzene	8.04	78	109353	5.067	ug/l	99
41) Methacrylonitrile	7.18	41	13420	5.424	ug/l	95
42) 1,2-Dichloroethane	8.13	62	40728	5.590	ug/l	99
43) Isopropyl Acetate	8.17	43	41105	5.404	ug/l #	93
44) Trichloroethene	8.83	130	29770	4.440	ug/l	94
45) 1,2-Dichloropropane	9.12	63	28260	5.273	ug/l	94
46) Dibromomethane	9.21	93	17313	4.781	ug/l	91
47) Bromodichloromethane	9.40	83	34973	4.818	ug/l	99
48) Methyl methacrylate	9.20	41	21674	5.615	ug/l	90
49) 1,4-Dioxane	9.21	88	5322	97.469	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	116647	28.978	ug/l	96
52) Toluene	10.16	92	65844	4.812	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	27151	3.675	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	37002	4.374	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	23845	4.772	ug/l	94
56) Ethyl methacrylate	10.43	69	28963	4.861	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	40650	4.975	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	58102	25.744	ug/l	92
59) 2-Hexanone	10.75	43	74433	27.789	ug/l	93
60) Dibromochloromethane	10.90	129	23310	4.145	ug/l	100
61) 1,2-Dibromoethane	11.00	107	22912	4.512	ug/l	95
64) Tetrachloroethene	10.63	164	30413	4.580	ug/l	95
65) Chlorobenzene	11.43	112	70958	4.705	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	24481	4.468	ug/l	96
67) Ethyl Benzene	11.51	91	124670	4.987	ug/l	95
68) m/p-Xylenes	11.62	106	96452	9.871	ug/l	98
69) o-Xylene	11.95	106	46222	4.853	ug/l	97
70) Styrene	11.96	104	71056	4.757	ug/l	97
71) Bromoform	12.13	173	12873	3.550	ug/l #	99
73) Isopropylbenzene	12.25	105	121565	5.587	ug/l	100
74) N-amyl acetate	12.07	43	29565	6.121	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	26263	5.665	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	21555m	5.389	ug/l	
77) Bromobenzene	12.53	156	29094	5.053	ug/l	89
78) n-propylbenzene	12.59	91	130321	5.519	ug/l	97
79) 2-Chlorotoluene	12.67	91	80879	5.697	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	97596	5.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	4422	3.779	ug/l #	61
82) 4-Chlorotoluene	12.77	91	75427	5.321	ug/l	98
83) tert-Butylbenzene	12.99	119	87972	5.280	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	94192	5.305	ug/l	98
85) sec-Butylbenzene	13.17	105	105040	4.862	ug/l	99
86) p-Isopropyltoluene	13.29	119	91055	4.804	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	45983	4.739	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	42979	4.509	ug/l	88
89) n-Butylbenzene	13.62	91	68208	4.736	ug/l	98
90) Hexachloroethane	13.88	117	13317	4.243	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	45016	4.746	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3512	4.895	ug/l	76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
Data File : VN054457.D
Acq On : 20 Mar 2019 10:47
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
3/22/2019 3:16:04 PM

Quant Time: Mar 22 01:58:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 12:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	16925	3.453	ug/l	99
94) Hexachlorobutadiene	15.01	225	15316	4.239	ug/l	96
95) Naphthalene	15.13	128	35917	3.562	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18012	3.574	ug/l	98

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

