

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
 Data File : VN077180.D
 Acq On : 24 Mar 2023 15:26
 Operator : JC\MD
 Sample : 01950-02DL 2X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/27/2023
 Supervised By : Semsettin Yesilyurt 03/27/2023

Quant Time: Mar 24 23:30:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 24 05:55:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.830	128	40117	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	272599	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	305111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	125753	30.866	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.900%	
60) 4-Bromofluorobenzene	12.854	95	152405	27.805	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.667%	
63) Toluene-d8	10.571	98	336625	30.907	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.033%	
Target Compounds						Qvalue
3) Chloromethane	2.384	50	2364	0.562	ug/l	# 84
5) Bromomethane	2.978	94	232577	55.965	ug/l	90
7) Trichlorofluoromethane	3.513	101	205506	24.087	ug/l	98
10) 1,1-Dichloroethene	4.354	96	89248	21.380	ug/l	89
15) Acetone	4.448	58	24394m	34.167	ug/l	
18) Methylene Chloride	5.289	84	56116	10.938	ug/l	93
19) trans-1,2-Dichloroethene	5.801	96	172170	38.498	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	91927	17.410	ug/l	93
24) Methyl tert-Butyl Ether	5.813	73	364334	24.583	ug/l	98
25) Chloroform	7.972	83	338922	36.993	ug/l	96
30) 2-Butanone	7.489	43	365393	95.779	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	129824	16.282	ug/l	99
33) Carbon Tetrachloride	8.366	117	162750	24.298	ug/l	99
34) Benzene	8.613	78	984447	48.566	ug/l	96
37) Trichloroethene	9.348	130	2900m	0.633	ug/l	
41) Bromodichloromethane	9.889	83	232071	32.842	ug/l	100
48) t-1,3-Dichloropropene	10.836	75	68935	9.604	ug/l	99
49) cis-1,3-Dichloropropene	10.313	75	376677	47.936	ug/l	96
52) 1,3-Dichloropropane	10.830	76	1999	0.231	ug/l	67
53) Dibromochloromethane	11.360	129	195428	38.748	ug/l	98
54) 1,2-Dibromoethane	11.471	107	84354	17.597	ug/l	100
56) Bromoform	12.583	173	1675	0.473	ug/l	# 84
58) 4-Methyl-2-Pentanone	10.448	43	680719	86.444	ug/l	99
59) 2-Hexanone	11.201	43	266604	46.433	ug/l	98
61) Tetrachloroethene	11.107	164	80316	20.974	ug/l	86
64) Chlorobenzene	11.895	112	332487	26.207	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.960	131	104205	22.365	ug/l	98
66) Ethyl Benzene	11.966	91	852276	36.988	ug/l	99
67) m/p-Xylenes	12.071	106	355320	40.071	ug/l	93
68) o-Xylene	12.401	106	431056	49.650	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.942	83	446356	60.570	ug/l	98
76) 1,3,5-Trimethylbenzene	13.177	105	253252	13.552	ug/l	96
80) 1,2,4-Trimethylbenzene	13.489	105	432119	23.301	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	157616	16.913	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	152260	16.771	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	412853	44.300	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	14053	9.939	ug/l	97
89) 1,2,4-Trichlorobenzene	15.395	180	74874	18.010	ug/l	98

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

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