

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040330.D
 Acq On : 10 Apr 2023 18:17
 Operator : SY/MD
 Sample : 02213-13 LOD 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2023

Quant Time: Apr 11 02:08:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/11/2023
 Supervised By : Mahesh Dadoda 04/11/2023

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

Internal Standards						
1) Bromochloromethane	5.166	49	915066	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.629	114	2235793	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	2005698	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1665635	9.917	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	21041	0.117	ppbv	92
3) Chlorodifluoromethane	2.648	51	12190	0.106	ppbv	94
4) Chloromethane	2.787	50	7549	0.106	ppbv	98
5) Vinyl Chloride	2.893	62	6173	0.107	ppbv	99
6) Bromomethane	3.092	94	2394	0.120	ppbv	87
7) Chloroethane	3.166	64	2490	0.113	ppbv	93
8) Dichlorotetrafluoroethane	2.829	85	15572	0.101	ppbv	100
9) Propene	2.671	41	6300	0.143	ppbv	91
10) Heptane	7.545	43	6221m	0.059	ppbv	
11) Trichlorofluoromethane	3.533	101	17108	0.105	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.037	101	13240m	0.108	ppbv	
14) Bromoethene	3.337	108	4567m	0.100	ppbv	
15) Acetone	3.462	43	22198m	0.199	ppbv	
16) 1,3-Butadiene	2.957	39	4377	0.086	ppbv	92
17) tert-Butyl alcohol	3.883	59	11137m	0.105	ppbv	
18) 1,1-Dichloroethene	3.854	96	4709	0.090	ppbv #	83
19) Isopropyl Alcohol	3.575	45	5022m	0.094	ppbv	
20) Methylene Chloride	3.906	84	12428	0.265	ppbv #	92
21) Allyl Chloride	3.967	41	6870	0.095	ppbv #	81
22) trans-1,2-Dichloroethene	4.423	96	5747m	0.108	ppbv	
24) 1,1-Dichloroethane	4.539	63	11133m	0.101	ppbv	
25) Ethyl Acetate	5.198	43	17800m	0.085	ppbv	
26) Hexane	5.192	57	7615m	0.089	ppbv	
27) Carbon Disulfide	4.099	76	8014	0.067	ppbv #	48
28) Methyl tert-Butyl Ether	4.584	73	8796m	0.089	ppbv	
29) Chloroform	5.246	83	15040	0.099	ppbv #	72
30) Cyclohexane	6.571	84	4305m	0.064	ppbv	
31) cis-1,2-Dichloroethene	5.057	61	7205	0.086	ppbv #	92
32) 1,1,1-Trichloroethane	5.980	97	13773m	0.095	ppbv	
34) 2-Butanone	4.780	43	12090	0.110	ppbv	91
35) Carbon Tetrachloride	6.468	117	12189	0.087	ppbv #	82
36) Benzene	6.349	78	12163m	0.071	ppbv	
37) 1,2-Dichloroethane	5.777	62	11601m	0.105	ppbv	
38) Trichloroethene	7.259	130	8416m	0.090	ppbv	
39) 1,2-Dichloropropane	7.047	63	6804m	0.102	ppbv	
40) 1,4-Dioxane	7.314	88	2187m	0.083	ppbv	
41) Tetrahydrofuran	5.581	42	4364m	0.069	ppbv	
42) Bromodichloromethane	7.227	83	14276m	0.094	ppbv	
43) Methyl Methacrylate	7.462	69	4169m	0.066	ppbv	
44) 2,2,4-Trimethylpentane	7.301	57	18018	0.063	ppbv #	79
45) t-1,3-Dichloropropene	8.680	75	2632m	0.048	ppbv	
46) cis-1,3-Dichloropropene	8.124	75	4034m	0.051	ppbv	
47) 1,1,2-Trichloroethane	8.877	97	7288m	0.102	ppbv	

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 Supervised By : Mahesh Dadoda 04/11/2023

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48) Dibromochloromethane	9.684	129	8974m	0.076	ppbv	
49) Bromoform	12.384	173	5037m	0.057	ppbv	
50) 4-Methyl-2-Pentanone	8.188	43	11115m	0.065	ppbv	
51) 2-Hexanone	9.584	43	7070m	0.053	ppbv	
52) Tetrachloroethene	10.590	164	4676m	0.091	ppbv	
53) Toluene	9.195	91	10566m	0.059	ppbv	
54) 1,2-Dibromoethane	9.986	107	6638m	0.090	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.475	131	8647m	0.102	ppbv	
57) Chlorobenzene	11.510	112	15763m	0.110	ppbv	
58) Ethyl Benzene	12.076	91	13217m	0.058	ppbv	
59) m/p-Xylene	12.339	91	20337m	0.097	ppbv	
60) o-Xylene	13.037	91	9204m	0.046	ppbv	
61) Styrene	12.873	104	5356m	0.053	ppbv	
62) Isopropylbenzene	14.005	105	18315m	0.064	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.027	83	6764m	0.096	ppbv	
64) n-propylbenzene	14.902	120	3205m	0.046	ppbv	
65) tert-Butylbenzene	16.076	119	11655m	0.047	ppbv	
67) sec-Butylbenzene	16.622	105	18953m	0.054	ppbv	
69) p-Isopropyltoluene	16.989	119	12141m	0.044	ppbv	
70) n-Butylbenzene	17.876	91	13428m	0.045	ppbv	
71) 2-Chlorotoluene	14.786	91	9734m	0.045	ppbv	
72) 4-Ethyltoluene	15.169	105	9964m	0.046	ppbv	
73) 1,3,5-Trimethylbenzene	15.339	105	9274m	0.047	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	9915m	0.044	ppbv	
75) 1,3-Dichlorobenzene	16.320	146	8351m	0.068	ppbv	
76) 1,4-Dichlorobenzene	16.452	146	8960m	0.077	ppbv	
77) 1,2-Dichlorobenzene	17.140	146	8751m	0.074	ppbv	
78) Hexachloro-1,3-Butadiene	22.625	225	8568m	0.099	ppbv	
80) Naphthalene,2-methyl-	24.426	142	1487m	0.044	ppbv	
81) 1,2,4-Trichlorobenzene	21.133	180	3991m	0.048	ppbv	

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

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