

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038601.D
 Acq On : 14 Mar 2022 18:15
 Operator : SY/AP
 Sample : N1645-13 0.1 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 18 09:17:14 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 15 09:17:14 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/18/2022

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

Internal Standards						
1) Bromochloromethane	5.645	49	792970	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.150	114	1966085	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.057	117	1709449	10.000	ppbv	#-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.381	95	1283721	9.877	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.038	85	20096	0.168	ppbv	97
3) Chlorodifluoromethane	2.980	51	17210	0.123	ppbv	97
4) Chloromethane	3.131	50	6918	0.133	ppbv	100
5) Vinyl Chloride	3.247	62	5157	0.099	ppbv #	81
6) Bromomethane	3.472	94	3405m	0.122	ppbv	
8) Dichlorotetrafluoroethane	3.176	85	15077	0.130	ppbv	97
9) Propene	3.002	41	8657m	0.175	ppbv	
10) Heptane	8.095	43	9323m	0.079	ppbv	
11) Trichlorofluoromethane	3.935	101	13662m	0.130	ppbv	
12) 1,1,2-Trichlorotrifluoro...	4.472	101	11010m	0.135	ppbv	
14) Bromoethene	3.729	108	4331m	0.124	ppbv	
15) Acetone	3.867	43	8862m	0.158	ppbv	
16) 1,3-Butadiene	3.317	39	5484m	0.122	ppbv	
17) tert-Butyl alcohol	4.321	59	7114m	0.117	ppbv	
18) 1,1-Dichloroethene	4.269	96	5515m	0.151	ppbv	
19) Isopropyl Alcohol	3.986	45	5392m	0.144	ppbv	
20) Methylene Chloride	4.330	84	5285	0.157	ppbv #	85
21) Allyl Chloride	4.394	41	6973m	0.129	ppbv	
22) trans-1,2-Dichloroethene	4.867	96	5182m	0.135	ppbv	
24) 1,1-Dichloroethane	4.989	63	8934	0.123	ppbv #	88
25) Ethyl Acetate	5.677	43	19706m	0.105	ppbv	
26) Hexane	5.671	57	8997m	0.102	ppbv	
27) Carbon Disulfide	4.539	76	9554m	0.108	ppbv	
28) Methyl tert-Butyl Ether	5.034	73	8454m	0.117	ppbv	
29) Chloroform	5.722	83	17042	0.124	ppbv	93
30) Cyclohexane	7.131	84	10149m	0.133	ppbv	
31) cis-1,2-Dichloroethene	5.526	61	9278m	0.110	ppbv	
32) 1,1,1-Trichloroethane	6.481	97	15669m	0.117	ppbv	
34) 2-Butanone	5.256	43	8472m	0.166	ppbv	
35) Carbon Tetrachloride	6.989	117	16235m	0.121	ppbv	
36) Benzene	6.864	78	17673	0.100	ppbv #	94
37) 1,2-Dichloroethane	6.288	62	9565m	0.113	ppbv	
38) Trichloroethene	7.809	130	6983m	0.099	ppbv	
39) 1,2-Dichloropropane	7.584	63	9142m	0.134	ppbv	
41) Tetrahydrofuran	6.018	42	64	0.002	ppbv #	37
42) Bromodichloromethane	7.764	83	16320m	0.121	ppbv	
43) Methyl Methacrylate	7.999	69	4431m	0.073	ppbv	
44) 2,2,4-Trimethylpentane	7.845	57	26581m	0.089	ppbv	
45) t-1,3-Dichloropropene	9.250	75	3014m	0.069	ppbv	
46) cis-1,3-Dichloropropene	8.674	75	4759m	0.079	ppbv	
47) 1,1,2-Trichloroethane	9.449	97	8246m	0.119	ppbv	
48) Dibromochloromethane	10.272	129	10815m	0.098	ppbv	
49) Bromoform	13.008	173	7584m	0.090	ppbv	

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 12:46:52 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

50) 4-Methyl-2-Pentanone	8.758	43	9086m	0.087	ppbv	
52) Tetrachloroethene	11.195	164	6669m	0.103	ppbv	
53) Toluene	9.774	91	13322	0.070	ppbv	95
54) 1,2-Dibromoethane	10.587	107	9919m	0.100	ppbv	
57) Chlorobenzene	12.114	112	17963m	0.138	ppbv	
58) Ethyl Benzene	12.680	91	17898	0.081	ppbv	90
59) m/p-Xylene	12.970	91	28927m	0.153	ppbv	
60) o-Xylene	13.655	91	13867m	0.078	ppbv	
61) Styrene	13.503	104	5185m	0.059	ppbv	
62) Isopropylbenzene	14.629	105	24942m	0.101	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.645	83	17641m	0.117	ppbv	
64) n-propylbenzene	15.526	120	4657m	0.074	ppbv	
65) tert-Butylbenzene	16.738	119	18218m	0.083	ppbv	
67) sec-Butylbenzene	17.262	105	24115m	0.077	ppbv	
69) p-Isopropyltoluene	17.625	119	17194m	0.066	ppbv	
70) n-Butylbenzene	18.519	91	17375m	0.063	ppbv	
71) 2-Chlorotoluene	15.413	91	15865m	0.087	ppbv	
72) 4-Ethyltoluene	15.812	105	15076m	0.073	ppbv	
73) 1,3,5-Trimethylbenzene	15.963	105	14035m	0.074	ppbv	
74) 1,2,4-Trimethylbenzene	16.722	105	14564m	0.071	ppbv	
75) 1,3-Dichlorobenzene	16.966	146	13558m	0.105	ppbv	
76) 1,4-Dichlorobenzene	17.108	146	12683m	0.100	ppbv	
77) 1,2-Dichlorobenzene	17.793	146	12617m	0.097	ppbv	
78) Hexachloro-1,3-Butadiene	23.342	225	15768m	0.124	ppbv	
79) Naphthalene	22.165	128	7481m	0.041	ppbv	
81) 1,2,4-Trichlorobenzene	21.883	180	1276	0.011	ppbv #	11

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

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