

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038599.D
 Acq On : 14 Mar 2022 17:01
 Operator : SY/AP
 Sample : N1645-13 0.03 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 15 01:40:12 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 01:40:12 2022

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

Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.645	49	810060	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.150	114	2059715	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.053	117	1748243	10.000	ppbv	#-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.384	95	1322979	9.953	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.037	85	2430	0.020	ppbv	90
5) Vinyl Chloride	3.240	62	1469m	0.028	ppbv	
6) Bromomethane	3.468	94	525	0.018	ppbv #	4
7) Chloroethane	3.542	64	184	0.011	ppbv #	75
10) Heptane	8.092	43	464	0.004	ppbv #	28
11) Trichlorofluoromethane	3.935	101	1969	0.018	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.471	101	1121	0.013	ppbv #	1
13) Ethanol	3.600	45	80	0.014	ppbv #	34
14) Bromoethene	3.729	108	707	0.020	ppbv #	41
16) 1,3-Butadiene	3.317	39	536	0.012	ppbv #	1
17) tert-Butyl alcohol	4.301	59	131	0.002	ppbv #	73
18) 1,1-Dichloroethene	4.275	96	483	0.013	ppbv #	9
19) Isopropyl Alcohol	3.980	45	436	0.011	ppbv #	92
21) Allyl Chloride	4.394	41	844	0.015	ppbv #	23
23) Vinyl Acetate	5.060	43	778	0.009	ppbv #	76
24) 1,1-Dichloroethane	4.986	63	1209	0.016	ppbv #	88
25) Ethyl Acetate	5.635	43	101	0.001	ppbv #	75
27) Carbon Disulfide	4.529	76	830	0.009	ppbv #	84
28) Methyl tert-Butyl Ether	5.021	73	37	0.001	ppbv #	52
30) Cyclohexane	7.105	84	385	0.005	ppbv #	1
31) cis-1,2-Dichloroethene	5.529	61	1168	0.014	ppbv #	56
32) 1,1,1-Trichloroethane	6.494	97	4144m	0.030	ppbv	
34) 2-Butanone	5.211	43	175	0.003	ppbv #	54
35) Carbon Tetrachloride	6.986	117	3759m	0.027	ppbv	
36) Benzene	6.870	78	1905	0.010	ppbv #	75
38) Trichloroethene	7.799	130	2114m	0.028	ppbv	
40) 1,4-Dioxane	7.796	88	34	0.002	ppbv #	1
41) Tetrahydrofuran	6.066	42	274	0.006	ppbv #	37
42) Bromodichloromethane	7.767	83	849	0.006	ppbv #	79
43) Methyl Methacrylate	7.986	69	130	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	7.838	57	4059	0.013	ppbv #	44
45) t-1,3-Dichloropropene	9.249	75	424	0.009	ppbv #	41
46) cis-1,3-Dichloropropene	8.674	75	382	0.006	ppbv #	41
47) 1,1,2-Trichloroethane	9.439	97	614	0.008	ppbv #	58
48) Dibromochloromethane	10.272	129	808	0.007	ppbv #	1
49) Bromoform	12.998	173	566	0.006	ppbv #	26
50) 4-Methyl-2-Pentanone	8.729	43	84	0.001	ppbv #	38
51) 2-Hexanone	10.147	43	250	0.005	ppbv #	28
52) Tetrachloroethene	11.201	164	1819m	0.027	ppbv	
53) Toluene	9.774	91	2635	0.013	ppbv #	64
54) 1,2-Dibromoethane	10.629	107	38	0.000	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.095	131	498	0.007	ppbv #	1
57) Chlorobenzene	12.114	112	736	0.006	ppbv #	57

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58) Ethyl Benzene	12.677	91	4155	0.018	ppbv	89
59) m/p-Xylene	12.966	91	2594	0.013	ppbv #	57
60) o-Xylene	13.658	91	2042	0.011	ppbv #	56
61) Styrene	13.490	104	771	0.009	ppbv #	47
62) Isopropylbenzene	14.632	105	881	0.003	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.661	83	5133m	0.033	ppbv	
64) n-propylbenzene	15.519	120	53	0.001	ppbv #	1
65) tert-Butylbenzene	16.712	119	2336	0.010	ppbv #	21
66) Benzyl Chloride	16.793	91	94	0.007	ppbv #	1
67) sec-Butylbenzene	17.262	105	3148	0.010	ppbv #	58
69) p-Isopropyltoluene	17.616	119	1400	0.005	ppbv #	49
70) n-Butylbenzene	18.522	91	2743	0.010	ppbv #	42
71) 2-Chlorotoluene	15.416	91	953	0.005	ppbv #	42
72) 4-Ethyltoluene	15.815	105	2163	0.010	ppbv #	76
73) 1,3,5-Trimethylbenzene	15.963	105	1422	0.007	ppbv #	57
74) 1,2,4-Trimethylbenzene	16.722	105	1051	0.005	ppbv #	53
76) 1,4-Dichlorobenzene	17.098	146	1391	0.011	ppbv #	23
77) 1,2-Dichlorobenzene	17.773	146	677	0.005	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.313	225	298	0.002	ppbv #	18
79) Naphthalene	22.143	128	251	0.001	ppbv #	69
80) Naphthalene,2-methyl-	24.853	142	29	0.001	ppbv #	50
81) 1,2,4-Trichlorobenzene	21.873	180	211	0.002	ppbv #	11

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

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