

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040512.D
 Acq On : 10 Jul 2023 15:55
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 10 16:25:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023

QLast Update : Mon Jul 10 14:00:16 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1039401	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.664	114	2564373	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2529620	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2110498 10.109 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.738	85	3017830	13.341	ppbv	97
3) Chlorodifluoromethane	2.681	51	2242181	13.171	ppbv	100
4) Chloromethane	2.819	50	885854	13.443	ppbv	97
5) Vinyl Chloride	2.928	62	981129	14.919	ppbv	98
6) Bromomethane	3.124	94	432409	12.701	ppbv	99
7) Chloroethane	3.205	64	334362	13.613	ppbv	98
8) Dichlorotetrafluoroethane	2.864	85	2416970	13.529	ppbv	98
9) Propene	2.700	41	695970	13.257	ppbv	100
10) Heptane	7.590	43	1825339	15.362	ppbv	100
11) Trichlorofluoromethane	3.571	101	2571776	13.961	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1785196	13.874	ppbv	99
13) Ethanol	3.243	45	139430	12.826	ppbv	96
14) Bromoethene	3.372	108	784147	14.569	ppbv	99
15) Acetone	3.475	43	1680670	13.406	ppbv	100
16) 1,3-Butadiene	2.992	39	888802	14.566	ppbv	97
17) tert-Butyl alcohol	3.886	59	1639073	15.904	ppbv	99
18) 1,1-Dichloroethene	3.886	96	824822	14.386	ppbv	97
19) Isopropyl Alcohol	3.581	45	918707	15.204	ppbv	98
20) Methylene Chloride	3.941	84	695798	13.004	ppbv	94
21) Allyl Chloride	4.005	41	970823	13.710	ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	865630	14.715	ppbv	98
23) Vinyl Acetate	4.635	43	1787239	14.596	ppbv	98
24) 1,1-Dichloroethane	4.571	63	1672927	13.620	ppbv	100
25) Ethyl Acetate	5.214	43	3220070	14.175	ppbv	99
26) Hexane	5.221	57	1413458	13.140	ppbv	97
27) Carbon Disulfide	4.131	76	2073043	15.409	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	1231381	14.869	ppbv	99
29) Chloroform	5.285	83	2527334	13.793	ppbv	100
30) Cyclohexane	6.616	84	1213598	14.000	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	1505840	14.632	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	2594368	14.343	ppbv	99
34) 2-Butanone	4.793	43	1957985	15.834	ppbv	98
35) Carbon Tetrachloride	6.504	117	2695617	15.425	ppbv	97
36) Benzene	6.381	78	3022865	14.820	ppbv	100
37) 1,2-Dichloroethane	5.819	62	1980379	14.902	ppbv	100
38) Trichloroethene	7.304	130	1245805	16.120	ppbv	97
39) 1,2-Dichloropropane	7.086	63	1176254	14.959	ppbv	98
40) 1,4-Dioxane	7.298	88	377799	16.963	ppbv #	100
41) Tetrahydrofuran	5.565	42	1126382	16.665	ppbv	99
42) Bromodichloromethane	7.266	83	2806082	15.334	ppbv	99
43) Methyl Methacrylate	7.484	69	1279148	17.457	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	4933825	14.801	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	939524	17.365	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Jul 10 14:00:16 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1109564	16.822	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	1333288	15.427	ppbv	95
48) Dibromochloromethane	9.725	129	2365499	17.121	ppbv	100
49) Bromoform	12.423	173	1984520	18.984	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	3038972	18.349	ppbv	99
51) 2-Hexanone	9.561	43	2305889	20.055	ppbv #	98
52) Tetrachloroethene	10.629	164	1111876	17.361	ppbv	97
53) Toluene	9.233	91	3558321	16.563	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1860893	16.425	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	1747631	14.699	ppbv #	77
57) Chlorobenzene	11.539	112	2871422	15.018	ppbv	96
58) Ethyl Benzene	12.105	91	4999311	16.311	ppbv	97
59) m/p-Xylene	12.388	91	8783076m	31.181	ppbv	
60) o-Xylene	13.076	91	4275971	16.005	ppbv	99
61) Styrene	12.912	104	2168669	18.862	ppbv	99
62) Isopropylbenzene	14.043	105	6193838	15.596	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	3004902	17.370	ppbv	100
64) n-propylbenzene	14.931	120	1638387	16.248	ppbv	95
65) tert-Butylbenzene	16.108	119	5563166	16.327	ppbv	98
66) Benzyl Chloride	16.346	91	479851	18.275	ppbv	98
67) sec-Butylbenzene	16.651	105	8001729	16.105	ppbv	99
69) p-Isopropyltoluene	17.011	119	6665398	16.881	ppbv	99
70) n-Butylbenzene	17.902	91	7515996	17.053	ppbv	98
71) 2-Chlorotoluene	14.815	91	4931343	16.722	ppbv	99
72) 4-Ethyltoluene	15.207	105	5138289	17.075	ppbv	100
73) 1,3,5-Trimethylbenzene	15.365	105	4499108	16.916	ppbv	100
74) 1,2,4-Trimethylbenzene	16.124	105	5080562	16.238	ppbv	98
75) 1,3-Dichlorobenzene	16.349	146	3013622	17.170	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2976688	17.441	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	2894875	17.460	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	2566632	20.071	ppbv	100
79) Naphthalene	21.397	128	5347135	29.672	ppbv	98
80) Naphthalene,2-methyl-	24.381	142	2346319	43.388	ppbv	98
81) 1,2,4-Trichlorobenzene	21.156	180	3114749	27.902	ppbv	100

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

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 QLast Update : Mon Jul 10 14:00:16 2023
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