

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040022.D
 Acq On : 19 Dec 2022 10:53
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:22:08 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	999166	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2958751	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2677082	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2045233 10.001 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	221468	1.184	ppbv	97
3) Chlorodifluoromethane	2.652	51	165815	1.125	ppbv	99
4) Chloromethane	2.790	50	105855	1.146	ppbv	90
5) Vinyl Chloride	2.896	62	87050	1.165	ppbv	94
6) Bromomethane	3.095	94	30539	1.112	ppbv	98
7) Chloroethane	3.173	64	29860	1.059	ppbv	99
8) Dichlorotetrafluoroethane	2.835	85	227292	1.155	ppbv	99
9) Propene	2.671	41	68787	1.100	ppbv	95
10) Heptane	7.561	43	164847	1.082	ppbv	97
11) Trichlorofluoromethane	3.542	101	223907	1.102	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.044	101	169031	1.098	ppbv	99
13) Ethanol	3.237	45	8597	1.627	ppbv	79
14) Bromoethene	3.343	108	65960	1.138	ppbv	98
15) Acetone	3.452	43	184433	1.193	ppbv	97
16) 1,3-Butadiene	2.964	39	69765	1.038	ppbv	91
17) tert-Butyl alcohol	3.867	59	174478	1.153	ppbv	99
18) 1,1-Dichloroethene	3.857	96	71628	1.069	ppbv	97
19) Isopropyl Alcohol	3.565	45	86106	1.130	ppbv #	94
20) Methylene Chloride	3.912	84	72915	1.110	ppbv	99
21) Allyl Chloride	3.973	41	98710	1.063	ppbv	96
22) trans-1,2-Dichloroethene	4.427	96	72110	1.080	ppbv	91
23) Vinyl Acetate	4.607	43	48844	0.996	ppbv #	97
24) 1,1-Dichloroethane	4.542	63	157805	1.097	ppbv	97
25) Ethyl Acetate	5.189	43	299142	1.118	ppbv	99
26) Hexane	5.192	57	124363	1.105	ppbv	94
27) Carbon Disulfide	4.105	76	138701	0.977	ppbv #	93
28) Methyl tert-Butyl Ether	4.574	73	143167	1.080	ppbv	99
29) Chloroform	5.253	83	185526	1.081	ppbv	99
30) Cyclohexane	6.578	84	109414	1.098	ppbv	98
31) cis-1,2-Dichloroethene	5.060	61	115285	1.076	ppbv	96
32) 1,1,1-Trichloroethane	5.983	97	204816	1.111	ppbv	96
34) 2-Butanone	4.774	43	172142	1.102	ppbv	99
35) Carbon Tetrachloride	6.475	117	205478	1.116	ppbv	96
36) Benzene	6.353	78	294756	1.115	ppbv	99
37) 1,2-Dichloroethane	5.787	62	170508	1.100	ppbv	98
38) Trichloroethene	7.272	130	159163	1.166	ppbv	95
39) 1,2-Dichloropropane	7.057	63	106942	1.080	ppbv	95
40) 1,4-Dioxane	7.295	88	50525m	1.125	ppbv	
41) Tetrahydrofuran	5.552	42	107951	1.113	ppbv	99
42) Bromodichloromethane	7.230	83	221592	1.045	ppbv	93
43) Methyl Methacrylate	7.459	69	102328	1.032	ppbv	90
44) 2,2,4-Trimethylpentane	7.307	57	481844	1.108	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	73735	0.880	ppbv	90

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022
 QLast Update : Tue Dec 20 04:20:10 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	115185	0.974	ppbv	91
47) 1,1,2-Trichloroethane	8.883	97	114630	1.058	ppbv	91
48) Dibromochloromethane	9.696	129	166551m	1.008	ppbv	
49) Bromoform	12.391	173	123182	0.979	ppbv	98
50) 4-Methyl-2-Pentanone	8.176	43	285726	1.090	ppbv	100
51) 2-Hexanone	9.552	43	216088	1.063	ppbv #	99
52) Tetrachloroethene	10.600	164	94451	1.044	ppbv	95
53) Toluene	9.204	91	317164	1.084	ppbv	100
54) 1,2-Dibromoethane	9.989	107	130839	1.128	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	135301	1.095	ppbv #	1
57) Chlorobenzene	11.510	112	257290	1.132	ppbv #	95
58) Ethyl Benzene	12.076	91	411009	1.081	ppbv	95
59) m/p-Xylene	12.352	91	746169m	2.252	ppbv	
60) o-Xylene	13.040	91	359480	1.133	ppbv	97
61) Styrene	12.886	104	176945	1.046	ppbv	95
62) Isopropylbenzene	14.015	105	517518	1.131	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	138859	1.189	ppbv	99
64) n-propylbenzene	14.908	120	128576m	1.116	ppbv	
65) tert-Butylbenzene	16.079	119	453187	1.140	ppbv	96
66) Benzyl Chloride	16.320	91	21467m	1.040	ppbv	
67) sec-Butylbenzene	16.622	105	641825	1.152	ppbv	98
69) p-Isopropyltoluene	16.982	119	509823	1.145	ppbv	98
70) n-Butylbenzene	17.876	91	526011	1.131	ppbv	98
71) 2-Chlorotoluene	14.789	91	396688	1.136	ppbv	98
72) 4-Ethyltoluene	15.179	105	392567	1.114	ppbv	99
73) 1,3,5-Trimethylbenzene	15.343	105	357512	1.121	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	391213	1.116	ppbv	95
75) 1,3-Dichlorobenzene	16.320	146	214261	1.120	ppbv	98
76) 1,4-Dichlorobenzene	16.465	146	212491m	1.125	ppbv	
77) 1,2-Dichlorobenzene	17.130	146	205893	1.119	ppbv	98
78) Hexachloro-1,3-Butadiene	22.622	225	146455m	1.151	ppbv	
79) Naphthalene	21.381	128	231494	1.112	ppbv	97
80) Naphthalene,2-methyl-	24.374	142	65215	1.092	ppbv	84
81) 1,2,4-Trichlorobenzene	21.130	180	138949m	1.127	ppbv	

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

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