

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041299.D
 Acq On : 4 Jun 2024 9:52
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 04 11:35:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Tue Jun 04 11:34:39 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	989041	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2646176	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2589868	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1940680 9.926 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	325747	2.435	ppbv	100
3) Chlorodifluoromethane	2.703	51	338362	2.253	ppbv	99
4) Chloromethane	2.845	50	126289	2.143	ppbv	91
5) Vinyl Chloride	2.947	62	125616	2.121	ppbv	98
6) Bromomethane	3.144	94	44217	2.047	ppbv	89
7) Chloroethane	3.221	64	44002	2.105	ppbv	97
8) Dichlorotetrafluoroethane	2.883	85	310961	2.246	ppbv	97
9) Propene	2.722	41	120006	2.041	ppbv	99
10) Heptane	7.581	43	286269	2.010	ppbv	100
11) Trichlorofluoromethane	3.584	101	302549	2.225	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.086	101	216822	2.156	ppbv	96
13) Ethanol	3.272	45	34145	2.591	ppbv	99
14) Bromoethene	3.391	108	87247	2.103	ppbv #	91
15) Acetone	3.494	43	249399	2.137	ppbv	96
16) 1,3-Butadiene	3.012	39	113269	1.922	ppbv	85
17) tert-Butyl alcohol	3.896	59	215024	1.708	ppbv	100
18) 1,1-Dichloroethene	3.896	96	93014	2.075	ppbv	94
19) Isopropyl Alcohol	3.597	45	148489	1.939	ppbv	100
20) Methylene Chloride	3.954	84	87232	2.149	ppbv	96
21) Allyl Chloride	4.015	41	153150	2.012	ppbv	97
22) trans-1,2-Dichloroethene	4.462	96	98831	2.120	ppbv	91
23) Vinyl Acetate	4.642	43	244713	1.904	ppbv	98
24) 1,1-Dichloroethane	4.574	63	217408	2.175	ppbv	99
25) Ethyl Acetate	5.218	43	487123	2.091	ppbv	99
26) Hexane	5.227	57	214645	2.064	ppbv	96
27) Carbon Disulfide	4.140	76	235426	1.913	ppbv #	92
28) Methyl tert-Butyl Ether	4.600	73	160648	1.941	ppbv	99
29) Chloroform	5.282	83	334008	2.329	ppbv	95
30) Cyclohexane	6.607	84	178097	2.164	ppbv	95
31) cis-1,2-Dichloroethene	5.089	61	200170	2.057	ppbv	95
32) 1,1,1-Trichloroethane	6.008	97	317486	2.218	ppbv	98
34) 2-Butanone	4.800	43	272260	2.021	ppbv	100
35) Carbon Tetrachloride	6.500	117	330834	2.228	ppbv	98
36) Benzene	6.378	78	451133	2.032	ppbv	97
37) 1,2-Dichloroethane	5.816	62	257543	2.223	ppbv	100
38) Trichloroethene	7.295	130	171958	2.078	ppbv	97
39) 1,2-Dichloropropane	7.076	63	174998m	2.045	ppbv	
40) 1,4-Dioxane	7.301	88	69071m	2.259	ppbv	
41) Tetrahydrofuran	5.571	42	179858	1.845	ppbv	99
42) Bromodichloromethane	7.250	83	364191	2.192	ppbv	95
43) Methyl Methacrylate	7.481	69	169741	1.890	ppbv	96
44) 2,2,4-Trimethylpentane	7.327	57	765169	1.998	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	113720m	1.747	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	143330	1.799	ppbv	96
47) 1,1,2-Trichloroethane	8.896	97	182770	2.134	ppbv	97
48) Dibromochloromethane	9.709	129	301441	2.209	ppbv	98
49) Bromoform	12.404	173	248528	2.141	ppbv	98
50) 4-Methyl-2-Pentanone	8.185	43	455025	1.883	ppbv	100
51) 2-Hexanone	9.555	43	319389	1.781	ppbv #	99
52) Tetrachloroethene	10.616	164	156010	1.999	ppbv	96
53) Toluene	9.221	91	512726	1.991	ppbv	100
54) 1,2-Dibromoethane	10.008	107	245326	2.115	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	225920	2.151	ppbv #	1
57) Chlorobenzene	11.523	112	401917	2.119	ppbv	100
58) Ethyl Benzene	12.085	91	724448	2.040	ppbv	96
59) m/p-Xylene	12.372	91	1231913m	4.127	ppbv	
60) o-Xylene	13.056	91	590989	2.112	ppbv	98
61) Styrene	12.896	104	286932m	1.941	ppbv	
62) Isopropylbenzene	14.024	105	898675	2.147	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.040	83	413588	2.169	ppbv	99
64) n-propylbenzene	14.912	120	230160	2.205	ppbv	93
65) tert-Butylbenzene	16.085	119	808022	2.156	ppbv	98
66) Benzyl Chloride	16.330	91	46585m	1.098	ppbv	
67) sec-Butylbenzene	16.632	105	1143855	2.168	ppbv	99
69) p-Isopropyltoluene	16.986	119	943903	2.171	ppbv	100
70) n-Butylbenzene	17.883	91	993263	2.187	ppbv	99
71) 2-Chlorotoluene	14.796	91	681241	2.138	ppbv	100
72) 4-Ethyltoluene	15.191	105	688843	2.174	ppbv	100
73) 1,3,5-Trimethylbenzene	15.342	105	614380	2.143	ppbv	97
74) 1,2,4-Trimethylbenzene	16.101	105	679045	2.168	ppbv #	89
75) 1,3-Dichlorobenzene	16.326	146	393551	2.192	ppbv	97
76) 1,4-Dichlorobenzene	16.468	146	385424	2.232	ppbv	97
77) 1,2-Dichlorobenzene	17.137	146	392810	2.188	ppbv	97
78) Hexachloro-1,3-Butadiene	22.619	225	333701m	2.092	ppbv	
79) Naphthalene	21.381	128	684977	2.297	ppbv	97
80) Naphthalene,2-methyl-	24.368	142	219298	1.828	ppbv	97
81) 1,2,4-Trichlorobenzene	21.140	180	337204	2.142	ppbv #	98

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

