

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040992.D
 Acq On : 23 Jan 2024 11:01
 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 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 23 12:09:00 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Tue Jan 23 11:01:31 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.157	49	1032462	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.613	114	2803519	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2535465	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.735 95 1878448 10.058 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	244753	1.245	ppbv	99
3) Chlorodifluoromethane	2.645	51	193620	1.246	ppbv	99
4) Chloromethane	2.780	50	69946	1.221	ppbv	91
5) Vinyl Chloride	2.893	62	68984	1.247	ppbv	97
6) Bromomethane	3.089	94	30115	1.228	ppbv	97
7) Chloroethane	3.163	64	25250m	1.281	ppbv	
8) Dichlorotetrafluoroethane	2.825	85	180945	1.277	ppbv	94
9) Propene	2.665	41	59661	1.164	ppbv	97
10) Heptane	7.536	43	148974m	1.169	ppbv	
11) Trichlorofluoromethane	3.530	101	200870	1.306	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.034	101	147074	1.232	ppbv	99
13) Ethanol	3.221	45	16860m	1.304	ppbv	
14) Bromoethene	3.333	108	52704	1.204	ppbv #	92
15) Acetone	3.443	43	145827	1.178	ppbv	99
16) 1,3-Butadiene	2.954	39	66723	1.251	ppbv	94
17) tert-Butyl alcohol	3.854	59	119419	1.304	ppbv	97
18) 1,1-Dichloroethene	3.848	96	61958	1.257	ppbv	92
19) Isopropyl Alcohol	3.555	45	79312	1.227	ppbv #	96
20) Methylene Chloride	3.903	84	53465	1.211	ppbv	96
21) Allyl Chloride	3.964	41	88982m	1.216	ppbv	
22) trans-1,2-Dichloroethene	4.411	96	61472	1.094	ppbv	96
23) Vinyl Acetate	4.597	43	148975	1.091	ppbv	98
24) 1,1-Dichloroethane	4.530	63	126894	1.038	ppbv	99
25) Ethyl Acetate	5.176	43	260095	1.212	ppbv	99
26) Hexane	5.176	57	107469	1.130	ppbv	93
27) Carbon Disulfide	4.092	76	125448	0.975	ppbv #	84
28) Methyl tert-Butyl Ether	4.555	73	90408m	1.025	ppbv	
29) Chloroform	5.237	83	190497	1.187	ppbv	99
30) Cyclohexane	6.562	84	90527	1.142	ppbv	94
31) cis-1,2-Dichloroethene	5.047	61	96509m	0.988	ppbv	
32) 1,1,1-Trichloroethane	5.967	97	192998	1.244	ppbv	99
34) 2-Butanone	4.761	43	135470	0.913	ppbv	96
35) Carbon Tetrachloride	6.452	117	195707	1.115	ppbv	96
36) Benzene	6.333	78	239834	1.094	ppbv	95
37) 1,2-Dichloroethane	5.771	62	144640	1.101	ppbv	99
38) Trichloroethene	7.250	130	91788	1.115	ppbv	96
39) 1,2-Dichloropropane	7.034	63	94863	1.101	ppbv	97
40) 1,4-Dioxane	7.272	88	41027m	1.128	ppbv	
41) Tetrahydrofuran	5.536	42	84224	0.933	ppbv	90
42) Bromodichloromethane	7.211	83	204971	1.082	ppbv	97
43) Methyl Methacrylate	7.439	69	85896	0.999	ppbv	94
44) 2,2,4-Trimethylpentane	7.288	57	415145	1.115	ppbv	100
45) t-1,3-Dichloropropene	8.674	75	51347	0.805	ppbv	98

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QLast Update : Tue Jan 23 11:01:31 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.102	75	70057m	0.887	ppbv	
47) 1,1,2-Trichloroethane	8.854	97	102940	1.127	ppbv	98
48) Dibromochloromethane	9.668	129	161107	1.033	ppbv	99
49) Bromoform	12.365	173	125479	1.043	ppbv	98
50) 4-Methyl-2-Pentanone	8.153	43	225361	1.003	ppbv	98
51) 2-Hexanone	9.529	43	167737	1.038	ppbv #	97
52) Tetrachloroethene	10.574	164	81107	1.099	ppbv	89
53) Toluene	9.185	91	254705m	1.048	ppbv	
54) 1,2-Dibromoethane	9.970	107	135796	1.083	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.468	131	126011	1.137	ppbv #	1
57) Chlorobenzene	11.484	112	212779	1.140	ppbv	97
58) Ethyl Benzene	12.044	91	345939	1.062	ppbv	91
59) m/p-Xylene	12.323	91	624396m	2.254	ppbv	
60) o-Xylene	13.018	91	302749m	1.160	ppbv	
61) Styrene	12.857	104	124913	1.007	ppbv	98
62) Isopropylbenzene	13.989	105	447400	1.156	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.008	83	233412	1.241	ppbv	99
64) n-propylbenzene	14.873	120	110834	1.142	ppbv	88
65) tert-Butylbenzene	16.050	119	388194	1.180	ppbv	93
66) Benzyl Chloride	16.285	91	21551m	0.957	ppbv	
67) sec-Butylbenzene	16.597	105	572022	1.196	ppbv	99
69) p-Isopropyltoluene	16.957	119	436446	1.174	ppbv	98
70) n-Butylbenzene	17.851	91	459270	1.190	ppbv	99
71) 2-Chlorotoluene	14.761	91	342566	1.149	ppbv	99
72) 4-Ethyltoluene	15.153	105	323511	1.129	ppbv	99
73) 1,3,5-Trimethylbenzene	15.314	105	286769	1.160	ppbv	96
74) 1,2,4-Trimethylbenzene	16.063	105	340844	1.239	ppbv	98
75) 1,3-Dichlorobenzene	16.294	146	188796m	1.201	ppbv	
76) 1,4-Dichlorobenzene	16.429	146	180994	1.177	ppbv	99
77) 1,2-Dichlorobenzene	17.105	146	188478	1.245	ppbv	96
78) Hexachloro-1,3-Butadiene	22.587	225	132150m	1.419	ppbv	
79) Naphthalene	21.342	128	177975	1.342	ppbv #	95
80) Naphthalene,2-methyl-	24.349	142	18277	0.754	ppbv	98
81) 1,2,4-Trichlorobenzene	21.101	180	106210m	1.395	ppbv	

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

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