

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040996.D
 Acq On : 23 Jan 2024 13:34
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 23 14:09:19 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 13:30:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1089393	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2703189	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.430	117	2522973	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.738 95 2007428 10.802 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	3091715	14.900	ppbv	96
3) Chlorodifluoromethane	2.645	51	2375394	14.490	ppbv	99
4) Chloromethane	2.784	50	888824	14.704	ppbv	99
5) Vinyl Chloride	2.890	62	933786	16.003	ppbv	100
6) Bromomethane	3.089	94	406869	15.718	ppbv	95
7) Chloroethane	3.166	64	334506	16.080	ppbv	94
8) Dichlorotetrafluoroethane	2.825	85	2305829	15.422	ppbv	99
9) Propene	2.665	41	804762	14.878	ppbv	96
10) Heptane	7.545	43	2047426	15.227	ppbv	99
11) Trichlorofluoromethane	3.530	101	2546309	15.696	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.034	101	1824677	14.484	ppbv	98
13) Ethanol	3.208	45	174531	12.790	ppbv	98
14) Bromoethene	3.333	108	733408	15.884	ppbv	97
15) Acetone	3.433	43	1741259	13.327	ppbv	97
16) 1,3-Butadiene	2.954	39	906228	16.109	ppbv	100
17) tert-Butyl alcohol	3.848	59	1512989	15.654	ppbv	100
18) 1,1-Dichloroethene	3.848	96	815705	15.682	ppbv	97
19) Isopropyl Alcohol	3.546	45	1096410	16.082	ppbv	98
20) Methylene Chloride	3.899	84	646851	13.889	ppbv	98
21) Allyl Chloride	3.964	41	1175558	15.222	ppbv	100
22) trans-1,2-Dichloroethene	4.414	96	842618	14.207	ppbv	97
23) Vinyl Acetate	4.594	43	2092899	14.520	ppbv	98
24) 1,1-Dichloroethane	4.530	63	1715166	13.303	ppbv	100
25) Ethyl Acetate	5.169	43	3444963	15.217	ppbv	100
26) Hexane	5.179	57	1480576	14.757	ppbv	98
27) Carbon Disulfide	4.092	76	2072856	15.265	ppbv	100
28) Methyl tert-Butyl Ether	4.549	73	1204561	12.938	ppbv	99
29) Chloroform	5.240	83	2545659	15.035	ppbv	99
30) Cyclohexane	6.565	84	1260757	15.072	ppbv	98
31) cis-1,2-Dichloroethene	5.044	61	1480193	14.362	ppbv	95
32) 1,1,1-Trichloroethane	5.970	97	2567928	15.687	ppbv	99
34) 2-Butanone	4.751	43	1896944	13.266	ppbv	100
35) Carbon Tetrachloride	6.459	117	2735485	16.159	ppbv	98
36) Benzene	6.337	78	3190232	15.097	ppbv	100
37) 1,2-Dichloroethane	5.774	62	1946723	15.375	ppbv	100
38) Trichloroethene	7.259	130	1284865	16.189	ppbv	97
39) 1,2-Dichloropropane	7.041	63	1273740	15.339	ppbv	98
40) 1,4-Dioxane	7.250	88	523126	14.920	ppbv #	1
41) Tetrahydrofuran	5.523	42	1320626	15.179	ppbv	99
42) Bromodichloromethane	7.214	83	2897651	15.867	ppbv	99
43) Methyl Methacrylate	7.439	69	1355345	16.352	ppbv	100
44) 2,2,4-Trimethylpentane	7.291	57	5247145	14.618	ppbv	100
45) t-1,3-Dichloropropene	8.674	75	1052574	17.116	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.105	75	1214116	15.947	ppbv	96
47) 1,1,2-Trichloroethane	8.864	97	1383510	15.706	ppbv	98
48) Dibromochloromethane	9.674	129	2501695	16.638	ppbv	99
49) Bromoform	12.372	173	2060306	17.758	ppbv	100
50) 4-Methyl-2-Pentanone	8.144	43	3440480	15.887	ppbv	100
51) 2-Hexanone	9.513	43	2590613	16.619	ppbv	99
52) Tetrachloroethene	10.581	164	1134081	15.931	ppbv	97
53) Toluene	9.185	91	3684326	15.724	ppbv	99
54) 1,2-Dibromoethane	9.973	107	2023638	16.740	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.471	131	1784019	16.170	ppbv #	75
57) Chlorobenzene	11.487	112	2918322	15.707	ppbv	98
58) Ethyl Benzene	12.050	91	5083267	15.686	ppbv	99
59) m/p-Xylene	12.333	91	8679075m	31.487	ppbv	
60) o-Xylene	13.024	91	4152856	15.990	ppbv	100
61) Styrene	12.860	104	2194225	17.773	ppbv	99
62) Isopropylbenzene	13.992	105	6022856	15.638	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.011	83	3093041	16.532	ppbv	100
64) n-propylbenzene	14.880	120	1604443	16.608	ppbv	91
65) tert-Butylbenzene	16.053	119	5353237	16.352	ppbv	99
66) Benzyl Chloride	16.291	91	435979	19.461	ppbv	99
67) sec-Butylbenzene	16.597	105	7441656	15.641	ppbv	99
69) p-Isopropyltoluene	16.957	119	6071083	16.417	ppbv	99
70) n-Butylbenzene	17.851	91	6470351	16.854	ppbv	99
71) 2-Chlorotoluene	14.764	91	4732244	15.955	ppbv	98
72) 4-Ethyltoluene	15.156	105	4798358	16.834	ppbv	99
73) 1,3,5-Trimethylbenzene	15.314	105	4120108	16.747	ppbv	98
74) 1,2,4-Trimethylbenzene	16.072	105	4562526	16.664	ppbv	93
75) 1,3-Dichlorobenzene	16.294	146	2650072	16.945	ppbv	100
76) 1,4-Dichlorobenzene	16.433	146	2599656	16.991	ppbv	100
77) 1,2-Dichlorobenzene	17.105	146	2560891	16.997	ppbv	98
78) Hexachloro-1,3-Butadiene	22.590	225	1488542	16.063	ppbv	100
79) Naphthalene	21.342	128	3442251	26.093	ppbv	97
80) Naphthalene,2-methyl-	24.342	142	792929	32.884	ppbv	94
81) 1,2,4-Trichlorobenzene	21.101	180	1673904	22.101	ppbv	98

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

