

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040761.D
 Acq On : 11 Oct 2023 16:45
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101123

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/12/2023
 Supervised By : Mahesh Dadoda 10/16/2023

Quant Time: Oct 11 19:02:02 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Wed Oct 11 16:25:15 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	1058211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2941460	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2966203m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2125235 9.737 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.771	85	1803926	9.680	ppbv	98
3) Chlorodifluoromethane	2.716	51	1476677	9.495	ppbv	99
4) Chloromethane	2.854	50	584432	9.517	ppbv	99
5) Vinyl Chloride	2.960	62	605989	9.550	ppbv	96
6) Bromomethane	3.156	94	232276	8.848	ppbv	97
7) Chloroethane	3.234	64	204464	9.898	ppbv	95
8) Dichlorotetrafluoroethane	2.896	85	1385652	9.809	ppbv	98
9) Propene	2.735	41	562125	9.731	ppbv	98
10) Heptane	7.597	43	1370587	9.445	ppbv	100
11) Trichlorofluoromethane	3.597	101	1403611	9.759	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	980543	9.559	ppbv	100
13) Ethanol	3.275	45	102814	8.174	ppbv	94
14) Bromoethene	3.401	108	440680	10.031	ppbv	98
15) Acetone	3.504	43	988227	9.033	ppbv	99
16) 1,3-Butadiene	3.025	39	579705	10.101	ppbv	99
17) tert-Butyl alcohol	3.909	59	1201570	10.712	ppbv	99
18) 1,1-Dichloroethene	3.912	96	450046	9.789	ppbv	96
19) Isopropyl Alcohol	3.607	45	748874	10.634	ppbv #	39
20) Methylene Chloride	3.964	84	376574	8.264	ppbv	96
21) Allyl Chloride	4.028	41	695709	9.643	ppbv	100
22) trans-1,2-Dichloroethene	4.472	96	477722	9.763	ppbv	99
23) Vinyl Acetate	4.652	43	1211686	8.691	ppbv	99
24) 1,1-Dichloroethane	4.590	63	978624	9.307	ppbv	99
25) Ethyl Acetate	5.227	43	2263497	9.443	ppbv	99
26) Hexane	5.237	57	1013066	9.248	ppbv	99
27) Carbon Disulfide	4.153	76	1173116	9.705	ppbv	98
28) Methyl tert-Butyl Ether	4.613	73	779338	9.148	ppbv	99
29) Chloroform	5.298	83	1530886	9.658	ppbv	99
30) Cyclohexane	6.623	84	889680	9.544	ppbv	99
31) cis-1,2-Dichloroethene	5.105	61	1004787	9.953	ppbv	97
32) 1,1,1-Trichloroethane	6.025	97	1568557	9.297	ppbv	99
34) 2-Butanone	4.812	43	1363646	10.242	ppbv	97
35) Carbon Tetrachloride	6.513	117	1639275	9.929	ppbv	96
36) Benzene	6.388	78	2181147	9.640	ppbv	97
37) 1,2-Dichloroethane	5.832	62	1154402	9.963	ppbv	100
38) Trichloroethene	7.311	130	844754	8.437	ppbv	97
39) 1,2-Dichloropropane	7.092	63	842344	9.530	ppbv	99
40) 1,4-Dioxane	7.301	88	353468	10.567	ppbv #	95
41) Tetrahydrofuran	5.578	42	898673	9.747	ppbv	98
42) Bromodichloromethane	7.269	83	1727848	9.954	ppbv	100
43) Methyl Methacrylate	7.491	69	895957	9.893	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	3562095	9.310	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	663097	9.182	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	778441	8.823	ppbv	97
47) 1,1,2-Trichloroethane	8.912	97	885595	9.538	ppbv	97
48) Dibromochloromethane	9.722	129	1580287	10.156	ppbv	100
49) Bromoform	12.417	173	1321649	10.449	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	2255211	9.901	ppbv	99
51) 2-Hexanone	9.565	43	1694470	9.775	ppbv #	99
52) Tetrachloroethene	10.629	164	827075	9.000	ppbv	97
53) Toluene	9.237	91	2548669	9.465	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1263716	9.709	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.519	131	1123036	9.277	ppbv	95
57) Chlorobenzene	11.536	112	1950604	9.178	ppbv	98
58) Ethyl Benzene	12.098	91	3373967	9.034	ppbv	100
59) m/p-Xylene	12.381	91	5543929m	18.036	ppbv	
60) o-Xylene	13.072	91	2619599	8.944	ppbv	100
61) Styrene	12.905	104	1541469	9.499	ppbv	99
62) Isopropylbenzene	14.037	105	4009173	8.898	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	1852551	8.437	ppbv	99
64) n-propylbenzene	14.925	120	1108047	9.155	ppbv	100
65) tert-Butylbenzene	16.098	119	3541064	8.714	ppbv	99
66) Benzyl Chloride	16.336	91	300841	7.348	ppbv	98
67) sec-Butylbenzene	16.641	105	4906427	8.818	ppbv	100
69) p-Isopropyltoluene	17.002	119	4145117	8.891	ppbv	99
70) n-Butylbenzene	17.892	91	4111100	8.980	ppbv	99
71) 2-Chlorotoluene	14.809	91	3050025	9.012	ppbv	100
72) 4-Ethyltoluene	15.201	105	3252920	9.484	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2774146	9.187	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	2952224	8.948	ppbv	98
75) 1,3-Dichlorobenzene	16.339	146	1879432	9.160	ppbv	100
76) 1,4-Dichlorobenzene	16.484	146	1851420	9.111	ppbv	99
77) 1,2-Dichlorobenzene	17.149	146	1803349	8.957	ppbv	100
78) Hexachloro-1,3-Butadiene	22.641	225	1120908	8.348	ppbv	99
79) Naphthalene	21.390	128	2793826	10.418	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	891412m	11.845	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	1388866	10.835	ppbv	100

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

