

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040285.D
 Acq On : 15 Mar 2023 15:25
 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 03/16/2023
 Supervised By : Mahesh Dadoda 03/16/2023

Quant Time: Mar 15 15:56:09 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 14:08:38 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1128627	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2842571	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2742707	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2410031 10.686 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2835017	13.478	ppbv	97
3) Chlorodifluoromethane	2.677	51	1803186	13.374	ppbv	98
4) Chloromethane	2.816	50	1145527	13.526	ppbv	98
5) Vinyl Chloride	2.922	62	990735	14.558	ppbv	98
6) Bromomethane	3.124	94	336145	13.685	ppbv	100
7) Chloroethane	3.202	64	377845	14.000	ppbv	98
8) Dichlorotetrafluoroethane	2.861	85	2467917	13.616	ppbv	100
9) Propene	2.697	41	739865	13.462	ppbv	97
10) Heptane	7.590	43	1927392	14.735	ppbv	100
11) Trichlorofluoromethane	3.568	101	2629478	13.932	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1979814	14.219	ppbv	98
13) Ethanol	3.250	45	42702m	8.440	ppbv	
14) Bromoethene	3.369	108	797458	14.936	ppbv	100
15) Acetone	3.472	43	1719121	12.652	ppbv	100
16) 1,3-Butadiene	2.989	39	891779	14.371	ppbv	99
17) tert-Butyl alcohol	3.883	59	1580321	12.753	ppbv	100
18) 1,1-Dichloroethene	3.883	96	865133	14.300	ppbv	98
19) Isopropyl Alcohol	3.581	45	770614	11.931	ppbv	98
20) Methylene Chloride	3.938	84	732422	10.354	ppbv	97
21) Allyl Chloride	4.002	41	1239171	14.869	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	937013	14.957	ppbv	92
23) Vinyl Acetate	4.632	43	581811	14.109	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1801958	13.980	ppbv	99
25) Ethyl Acetate	5.211	43	3508434	13.889	ppbv	100
26) Hexane	5.221	57	1477434	13.625	ppbv	99
27) Carbon Disulfide	4.128	76	2249153	16.346	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	1626611	14.000	ppbv	99
29) Chloroform	5.282	83	2574162	13.825	ppbv	97
30) Cyclohexane	6.610	84	1242638	14.594	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	1536128	14.909	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	2580049	14.748	ppbv	99
34) 2-Butanone	4.793	43	1950589	13.911	ppbv	98
35) Carbon Tetrachloride	6.504	117	2732206	16.259	ppbv	99
36) Benzene	6.381	78	3129077	14.145	ppbv	98
37) 1,2-Dichloroethane	5.816	62	2018287	14.588	ppbv	99
38) Trichloroethene	7.304	130	1940611	15.920	ppbv	98
39) 1,2-Dichloropropane	7.086	63	1216727	14.139	ppbv	97
40) 1,4-Dioxane	7.298	88	468420	13.607	ppbv	93
41) Tetrahydrofuran	5.562	42	1197765	14.740	ppbv	99
42) Bromodichloromethane	7.259	83	2879245	15.077	ppbv	99
43) Methyl Methacrylate	7.484	69	1301773	15.904	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	5197726	14.076	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	1319635	18.175	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1735243	17.154	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	1344515	14.445	ppbv	98
48) Dibromochloromethane	9.722	129	2377610	15.971	ppbv	100
49) Bromoform	12.423	173	1869178	16.086	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	3291460	15.118	ppbv	100
51) 2-Hexanone	9.561	43	2620092	15.648	ppbv #	99
52) Tetrachloroethene	10.629	164	1090516	15.787	ppbv	99
53) Toluene	9.233	91	3661124	15.452	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1519761	15.693	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.520	131	1667946	14.488	ppbv #	92
57) Chlorobenzene	11.542	112	2841220	14.179	ppbv	99
58) Ethyl Benzene	12.101	91	4982104	14.950	ppbv	99
59) m/p-Xylene	12.384	91	8622437m	29.213	ppbv	
60) o-Xylene	13.073	91	4183939	14.732	ppbv	99
61) Styrene	12.912	104	2451903	16.444	ppbv	100
62) Isopropylbenzene	14.044	105	5739718	14.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1334434	13.039	ppbv	100
64) n-propylbenzene	14.931	120	1492957	14.797	ppbv	97
65) tert-Butylbenzene	16.105	119	4955393	13.984	ppbv	100
66) Benzyl Chloride	16.342	91	374144	15.867	ppbv	99
67) sec-Butylbenzene	16.651	105	6927833	13.632	ppbv	99
69) p-Isopropyltoluene	17.011	119	5594155	13.886	ppbv	99
70) n-Butylbenzene	17.902	91	6031417	13.793	ppbv	99
71) 2-Chlorotoluene	14.815	91	4472795	14.346	ppbv	100
72) 4-Ethyltoluene	15.207	105	4678832	14.903	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	4119677	14.102	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	4474955	13.946	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	2434847	13.865	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2413678	14.026	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	2289760	13.127	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1664518	13.890	ppbv	99
79) Naphthalene	21.400	128	3600935	19.975	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1001148	19.530	ppbv	98
81) 1,2,4-Trichlorobenzene	21.153	180	1875044	16.622	ppbv	98

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

