

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040179.D
 Acq On : 15 Feb 2023 17:44
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL021523

Quant Time: Feb 15 19:02:24 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 15 17:01:01 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/16/2023
 Supervised By : Mahesh Dadoda 02/18/2023

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

Internal Standards						
1) Bromochloromethane	5.192	49	956628	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.658	114	2458519	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	2357514m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 1853378 9.560 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1465381	8.219	ppbv	100
3) Chlorodifluoromethane	2.668	51	1092552	9.560	ppbv	99
4) Chloromethane	2.809	50	707737	9.860	ppbv	95
5) Vinyl Chloride	2.915	62	607755	10.536	ppbv	98
6) Bromomethane	3.115	94	208879	10.033	ppbv	89
7) Chloroethane	3.192	64	216601	9.469	ppbv	96
8) Dichlorotetrafluoroethane	2.851	85	1480605	9.637	ppbv	99
9) Propene	2.687	41	474514	10.187	ppbv	99
10) Heptane	7.584	43	1153446	10.403	ppbv	100
11) Trichlorofluoromethane	3.558	101	1524621	9.530	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1098692	9.310	ppbv	99
13) Ethanol	3.240	45	34380m	8.017	ppbv	
14) Bromoethene	3.362	108	471851	10.426	ppbv	100
15) Acetone	3.462	43	1045154	9.075	ppbv	99
16) 1,3-Butadiene	2.980	39	536531	10.201	ppbv	97
17) tert-Butyl alcohol	3.873	59	1072436	10.210	ppbv	99
18) 1,1-Dichloroethene	3.877	96	498846	9.728	ppbv	96
19) Isopropyl Alcohol	3.571	45	546686	9.986	ppbv #	98
20) Methylene Chloride	3.931	84	445958	7.438	ppbv	94
21) Allyl Chloride	3.996	41	729359	10.325	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	529582	9.973	ppbv	93
23) Vinyl Acetate	4.626	43	324272	9.277	ppbv #	98
24) 1,1-Dichloroethane	4.562	63	1055858	9.664	ppbv	98
25) Ethyl Acetate	5.205	43	2170748	10.139	ppbv	100
26) Hexane	5.214	57	918980	9.998	ppbv	98
27) Carbon Disulfide	4.121	76	1245553	10.680	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	977267	9.923	ppbv	100
29) Chloroform	5.275	83	1527982	9.682	ppbv	100
30) Cyclohexane	6.606	84	771359	10.688	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	949291	10.870	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1532554	10.336	ppbv	99
34) 2-Butanone	4.787	43	1213347	10.005	ppbv	98
35) Carbon Tetrachloride	6.497	117	1587143	10.920	ppbv	98
36) Benzene	6.372	78	1948966	10.187	ppbv	98
37) 1,2-Dichloroethane	5.809	62	1187136	9.921	ppbv	99
38) Trichloroethene	7.298	130	1139080	10.804	ppbv	98
39) 1,2-Dichloropropane	7.079	63	736075	9.890	ppbv	96
40) 1,4-Dioxane	7.291	88	318901	10.711	ppbv	87
41) Tetrahydrofuran	5.558	42	758419	10.791	ppbv	100
42) Bromodichloromethane	7.256	83	1705464	10.326	ppbv	98
43) Methyl Methacrylate	7.481	69	779242	11.007	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3190999	9.991	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	755025	12.023	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1025901	11.726	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	811942	10.086	ppbv	98
48) Dibromochloromethane	9.719	129	1396391	10.845	ppbv	100
49) Bromoform	12.420	173	1106302	11.008	ppbv	99
50) 4-Methyl-2-Pentanone	8.188	43	1978119	10.505	ppbv	99
51) 2-Hexanone	9.561	43	1547919	10.689	ppbv #	100
52) Tetrachloroethene	10.626	164	660787	11.060	ppbv	97
53) Toluene	9.230	91	2226531	10.865	ppbv	100
54) 1,2-Dibromoethane	10.018	107	918167	10.962	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.519	131	990162	10.006	ppbv	97
57) Chlorobenzene	11.536	112	1694088	9.836	ppbv	99
58) Ethyl Benzene	12.098	91	3013920	10.522	ppbv	99
59) m/p-Xylene	12.384	91	5191434m	20.463	ppbv	
60) o-Xylene	13.069	91	2491779	10.207	ppbv	99
61) Styrene	12.908	104	1458504	11.380	ppbv	100
62) Isopropylbenzene	14.040	105	3488966	9.957	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	825540	9.384	ppbv	99
64) n-propylbenzene	14.931	120	901537	10.395	ppbv	100
65) tert-Butylbenzene	16.101	119	3052250	10.021	ppbv	100
66) Benzyl Chloride	16.342	91	210197	10.370	ppbv	99
67) sec-Butylbenzene	16.648	105	4305486	9.856	ppbv	100
69) p-Isopropyltoluene	17.008	119	3462777	10.000	ppbv	100
70) n-Butylbenzene	17.899	91	3725939	9.913	ppbv	100
71) 2-Chlorotoluene	14.812	91	2719944	10.149	ppbv	100
72) 4-Ethyltoluene	15.204	105	2854500	10.578	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	2521774	10.043	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	2728035	9.891	ppbv	96
75) 1,3-Dichlorobenzene	16.342	146	1493417	9.894	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1449825	9.802	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1422498	9.487	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	937778	9.104	ppbv	100
79) Naphthalene	21.397	128	1890875	12.203	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	541067	12.279	ppbv	96
81) 1,2,4-Trichlorobenzene	21.156	180	993721	10.248	ppbv	100

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

