

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040644.D
 Acq On : 5 Sep 2023 12:04
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/06/2023
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:05:03 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

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

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	949012	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2481557	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2375217	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1999345 10.584 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1498610	7.331	ppbv	98
3) Chlorodifluoromethane	2.665	51	1451772	9.317	ppbv	96
4) Chloromethane	2.800	50	550437	9.057	ppbv	99
5) Vinyl Chloride	2.909	62	611173	9.471	ppbv	99
6) Bromomethane	3.108	94	310200	9.169	ppbv	98
7) Chloroethane	3.185	64	235089	9.987	ppbv	92
8) Dichlorotetrafluoroethane	2.845	85	1633217	9.872	ppbv	100
9) Propene	2.681	41	422043	8.741	ppbv	99
10) Heptane	7.578	43	1091002	9.813	ppbv	99
11) Trichlorofluoromethane	3.552	101	1731853	10.495	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1247452	10.184	ppbv	98
13) Ethanol	3.227	45	110081m	8.170	ppbv	
14) Bromoethene	3.356	108	511049	10.275	ppbv	98
15) Acetone	3.459	43	1099117	9.469	ppbv	100
16) 1,3-Butadiene	2.973	39	550772	9.541	ppbv	99
17) tert-Butyl alcohol	3.867	59	1274313	10.351	ppbv	100
18) 1,1-Dichloroethene	3.874	96	566566	10.207	ppbv	95
19) Isopropyl Alcohol	3.565	45	759006	10.312	ppbv #	97
20) Methylene Chloride	3.925	84	480513	8.471	ppbv	96
21) Allyl Chloride	3.989	41	729900	9.507	ppbv	96
22) trans-1,2-Dichloroethene	4.436	96	554182	10.170	ppbv	99
23) Vinyl Acetate	4.619	43	1265452	9.567	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1138898	10.069	ppbv	99
25) Ethyl Acetate	5.198	43	2001354	9.181	ppbv	100
26) Hexane	5.205	57	878236	8.326	ppbv	97
27) Carbon Disulfide	4.115	76	1393531	11.098	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	791582	9.708	ppbv	100
29) Chloroform	5.269	83	1576508	9.443	ppbv	99
30) Cyclohexane	6.600	84	740366	9.174	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	894189	9.394	ppbv	97
32) 1,1,1-Trichloroethane	6.002	97	1637387	10.242	ppbv	99
34) 2-Butanone	4.780	43	1217009	9.725	ppbv	98
35) Carbon Tetrachloride	6.491	117	1691134	10.891	ppbv	97
36) Benzene	6.369	78	1843176	9.336	ppbv	98
37) 1,2-Dichloroethane	5.803	62	1205795	10.127	ppbv	97
38) Trichloroethene	7.291	130	788671	10.317	ppbv	96
39) 1,2-Dichloropropane	7.073	63	694868	9.252	ppbv	97
40) 1,4-Dioxane	7.285	88	293154	10.302	ppbv #	1
41) Tetrahydrofuran	5.552	42	656193	9.277	ppbv	99
42) Bromodichloromethane	7.250	83	1733104	10.457	ppbv	97
43) Methyl Methacrylate	7.471	69	772880	10.456	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3085432	9.669	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	705234	11.947	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	821355	11.406	ppbv	96
47) 1,1,2-Trichloroethane	8.902	97	808325	9.527	ppbv	96
48) Dibromochloromethane	9.713	129	1449690	10.918	ppbv	100
49) Bromoform	12.410	173	1228544	11.548	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	1848516	10.111	ppbv	99
51) 2-Hexanone	9.552	43	1389319	10.785	ppbv #	97
52) Tetrachloroethene	10.616	164	658217	10.646	ppbv	97
53) Toluene	9.224	91	2156920	10.281	ppbv	99
54) 1,2-Dibromoethane	10.012	107	1172639	10.855	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	1087106	9.892	ppbv	97
57) Chlorobenzene	11.529	112	1758711	9.594	ppbv	99
58) Ethyl Benzene	12.092	91	3004453	10.490	ppbv	100
59) m/p-Xylene	12.375	91	5362610m	20.525	ppbv	
60) o-Xylene	13.060	91	2592846	10.470	ppbv	99
61) Styrene	12.899	104	1253980	11.557	ppbv	98
62) Isopropylbenzene	14.034	105	3781237	10.089	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	1843919	9.942	ppbv	99
64) n-propylbenzene	14.921	120	971273	10.254	ppbv	100
65) tert-Butylbenzene	16.095	119	3368417	10.370	ppbv	98
66) Benzyl Chloride	16.333	91	439560	10.761	ppbv	99
67) sec-Butylbenzene	16.638	105	4800031	10.129	ppbv	100
69) p-Isopropyltoluene	16.995	119	3876942	10.455	ppbv	99
70) n-Butylbenzene	17.889	91	4234116	10.459	ppbv	100
71) 2-Chlorotoluene	14.802	91	2923347	10.513	ppbv	99
72) 4-Ethyltoluene	15.198	105	3002434	10.740	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2612608	10.455	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2988367	10.240	ppbv	93
75) 1,3-Dichlorobenzene	16.333	146	1706126	10.111	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1664721	10.092	ppbv	98
77) 1,2-Dichlorobenzene	17.146	146	1649988	9.938	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1165409	9.252	ppbv	100
79) Naphthalene	21.387	128	2500006	12.971	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	888137	16.013	ppbv	98
81) 1,2,4-Trichlorobenzene	21.140	180	1395048	10.997	ppbv	100

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

