

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040482.D
 Acq On : 16 Jun 2023 8:32
 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 06/16/2023
 Supervised By : Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 10:06:10 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1087445	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2867812	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2736401	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2121654 9.394 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2108180	8.908	ppbv	99
3) Chlorodifluoromethane	2.677	51	1702346	9.558	ppbv	95
4) Chloromethane	2.816	50	722639	10.482	ppbv	99
5) Vinyl Chloride	2.922	62	742363	10.789	ppbv	99
6) Bromomethane	3.121	94	413963	11.622	ppbv	96
7) Chloroethane	3.198	64	259142	10.085	ppbv	97
8) Dichlorotetrafluoroethane	2.857	85	1684652	9.013	ppbv	98
9) Propene	2.697	41	621519	11.316	ppbv	99
10) Heptane	7.587	43	1451486	11.676	ppbv	99
11) Trichlorofluoromethane	3.565	101	1580323	8.200	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.069	101	1212075	9.003	ppbv	94
13) Ethanol	3.237	45	108700	9.557	ppbv	91
14) Bromoethene	3.369	108	519616	9.228	ppbv	99
15) Acetone	3.468	43	1219792	9.300	ppbv	98
16) 1,3-Butadiene	2.986	39	681824	10.680	ppbv	99
17) tert-Butyl alcohol	3.880	59	1206315	11.188	ppbv	98
18) 1,1-Dichloroethene	3.883	96	543446	9.060	ppbv	95
19) Isopropyl Alcohol	3.578	45	737411	11.665	ppbv #	97
20) Methylene Chloride	3.934	84	477825	8.536	ppbv	99
21) Allyl Chloride	4.002	41	917945	12.390	ppbv	97
22) trans-1,2-Dichloroethene	4.449	96	576309	9.364	ppbv	93
23) Vinyl Acetate	4.632	43	1591135	12.420	ppbv #	97
24) 1,1-Dichloroethane	4.571	63	1209642	9.413	ppbv	100
25) Ethyl Acetate	5.211	43	2487707	10.467	ppbv	100
26) Hexane	5.217	57	1157114	10.282	ppbv	95
27) Carbon Disulfide	4.127	76	1437012	10.209	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	926914	10.698	ppbv	99
29) Chloroform	5.282	83	1745836	9.107	ppbv	97
30) Cyclohexane	6.610	84	983105	10.840	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	1142557	10.611	ppbv	96
32) 1,1,1-Trichloroethane	6.012	97	1691102	8.936	ppbv	99
34) 2-Butanone	4.790	43	1333619	9.644	ppbv	99
35) Carbon Tetrachloride	6.500	117	1724784	8.825	ppbv	97
36) Benzene	6.378	78	2451064	10.745	ppbv	97
37) 1,2-Dichloroethane	5.812	62	1322007	8.896	ppbv	98
38) Trichloroethene	7.301	130	920156	10.646	ppbv	98
39) 1,2-Dichloropropane	7.082	63	931684	10.595	ppbv	92
40) 1,4-Dioxane	7.291	88	298637	11.990	ppbv #	100
41) Tetrahydrofuran	5.565	42	898722	11.890	ppbv	99
42) Bromodichloromethane	7.259	83	1864879	9.113	ppbv	98
43) Methyl Methacrylate	7.484	69	983841	12.006	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	3988351	10.699	ppbv	96
45) t-1,3-Dichloropropene	8.719	75	1077567	17.809	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1344329	18.225	ppbv	94
47) 1,1,2-Trichloroethane	8.909	97	965741	9.992	ppbv	97
48) Dibromochloromethane	9.722	129	1543533	9.990	ppbv	99
49) Bromoform	12.420	173	1194669	10.219	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2177122	11.754	ppbv	97
51) 2-Hexanone	9.561	43	1619511	12.595	ppbv #	94
52) Tetrachloroethene	10.629	164	837835	11.698	ppbv	95
53) Toluene	9.233	91	2774060	11.546	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1435163	11.327	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.519	131	1144519	8.899	ppbv	99
57) Chlorobenzene	11.539	112	2038354	9.855	ppbv	97
58) Ethyl Benzene	12.101	91	3602106	10.864	ppbv	98
59) m/p-Xylene	12.384	91	5999632m	19.690	ppbv	
60) o-Xylene	13.072	91	2841877	9.833	ppbv	98
61) Styrene	12.912	104	1545089	12.423	ppbv	97
62) Isopropylbenzene	14.040	105	4118988	9.588	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.059	83	1826478	9.760	ppbv	99
64) n-propylbenzene	14.928	120	1087686	9.972	ppbv	93
65) tert-Butylbenzene	16.104	119	3534151	9.589	ppbv	95
66) Benzyl Chloride	16.339	91	458124	16.129	ppbv	98
67) sec-Butylbenzene	16.648	105	4973497	9.254	ppbv	98
69) p-Isopropyltoluene	17.008	119	4155883	9.730	ppbv	97
70) n-Butylbenzene	17.899	91	4373605	9.174	ppbv	99
71) 2-Chlorotoluene	14.815	91	3126603	9.801	ppbv	98
72) 4-Ethyltoluene	15.204	105	3282908	10.085	ppbv	97
73) 1,3,5-Trimethylbenzene	15.365	105	2822426	9.810	ppbv	97
74) 1,2,4-Trimethylbenzene	16.120	105	3050860	9.014	ppbv	97
75) 1,3-Dichlorobenzene	16.342	146	1793813	9.448	ppbv	98
76) 1,4-Dichlorobenzene	16.490	146	1737112	9.409	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1715239	9.563	ppbv	98
78) Hexachloro-1,3-Butadiene	22.648	225	1511599	10.928	ppbv	99
79) Naphthalene	21.397	128	3165725	16.239	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1263815	21.605	ppbv	96
81) 1,2,4-Trichlorobenzene	21.156	180	1698253	14.063	ppbv	99

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

