

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040642.D
 Acq On : 15 Aug 2023 21:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/16/2023
 Supervised By : Mahesh Dadoda 08/16/2023

Quant Time: Aug 16 05:59:04 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 16 2023

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	948378	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2433530	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2509659	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1979323 9.917 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1744424	8.539	ppbv	100
3) Chlorodifluoromethane	2.665	51	1422512	9.135	ppbv	97
4) Chloromethane	2.803	50	539342	8.880	ppbv	98
5) Vinyl Chloride	2.912	62	615032	9.537	ppbv	95
6) Bromomethane	3.112	94	318521	9.422	ppbv	96
7) Chloroethane	3.189	64	229701	9.764	ppbv	90
8) Dichlorotetrafluoroethane	2.848	85	1590041	9.617	ppbv	99
9) Propene	2.684	41	409257	8.482	ppbv	100
10) Heptane	7.581	43	1042704	9.385	ppbv	100
11) Trichlorofluoromethane	3.555	101	1697579	10.294	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1219424	9.962	ppbv	98
13) Ethanol	3.237	45	96959m	7.201	ppbv	
14) Bromoethene	3.359	108	496815	9.996	ppbv	99
15) Acetone	3.459	43	1089859	9.395	ppbv	98
16) 1,3-Butadiene	2.973	39	539949	9.360	ppbv	99
17) tert-Butyl alcohol	3.870	59	1260926	10.250	ppbv	100
18) 1,1-Dichloroethene	3.874	96	548059	9.880	ppbv	99
19) Isopropyl Alcohol	3.568	45	686122	9.328	ppbv #	97
20) Methylene Chloride	3.928	84	456650	8.056	ppbv	96
21) Allyl Chloride	3.989	41	730477	9.521	ppbv	96
22) trans-1,2-Dichloroethene	4.439	96	536841	9.859	ppbv	98
23) Vinyl Acetate	4.623	43	1247418	9.437	ppbv #	98
24) 1,1-Dichloroethane	4.558	63	1117237	9.884	ppbv	99
25) Ethyl Acetate	5.201	43	1934643	8.880	ppbv	99
26) Hexane	5.211	57	840505	7.974	ppbv	95
27) Carbon Disulfide	4.118	76	1334488	10.634	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	780992	9.584	ppbv	100
29) Chloroform	5.272	83	1512807	9.067	ppbv	99
30) Cyclohexane	6.600	84	712227	8.831	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	869976	9.145	ppbv	95
32) 1,1,1-Trichloroethane	6.005	97	1584630	9.919	ppbv	100
34) 2-Butanone	4.783	43	1176837	9.590	ppbv	98
35) Carbon Tetrachloride	6.494	117	1639453	10.767	ppbv	97
36) Benzene	6.372	78	1751659	9.048	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1162255	9.954	ppbv	98
38) Trichloroethene	7.295	130	740439	9.877	ppbv	96
39) 1,2-Dichloropropane	7.073	63	679105	9.220	ppbv	97
40) 1,4-Dioxane	7.288	88	241606m	8.658	ppbv	
41) Tetrahydrofuran	5.555	42	642364	9.261	ppbv	99
42) Bromodichloromethane	7.253	83	1674760	10.305	ppbv	96
43) Methyl Methacrylate	7.478	69	746670	10.300	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	2910396	9.301	ppbv	97
45) t-1,3-Dichloropropene	8.716	75	653634	11.291	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	765938	10.846	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	767197	9.221	ppbv	99
48) Dibromochloromethane	9.716	129	1378860	10.590	ppbv	100
49) Bromoform	12.413	173	1143702	10.963	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	1799968	10.040	ppbv	99
51) 2-Hexanone	9.555	43	1328069	10.513	ppbv #	97
52) Tetrachloroethene	10.619	164	616838	10.174	ppbv	97
53) Toluene	9.227	91	2069716	10.060	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1121045	10.582	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.516	131	1030764	8.877	ppbv	98
57) Chlorobenzene	11.536	112	1663231	8.587	ppbv	98
58) Ethyl Benzene	12.092	91	2866814	9.473	ppbv	100
59) m/p-Xylene	12.378	91	5119809m	18.546	ppbv	
60) o-Xylene	13.063	91	2478816	9.474	ppbv	98
61) Styrene	12.905	104	1195983	10.432	ppbv	98
62) Isopropylbenzene	14.034	105	3597757	9.086	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	1752952	8.945	ppbv	99
64) n-propylbenzene	14.921	120	921031	9.203	ppbv	99
65) tert-Butylbenzene	16.095	119	3209624	9.352	ppbv	98
66) Benzyl Chloride	16.333	91	442509	10.253	ppbv	99
67) sec-Butylbenzene	16.642	105	4543002	9.073	ppbv	100
69) p-Isopropyltoluene	16.998	119	3673766	9.376	ppbv	99
70) n-Butylbenzene	17.892	91	4046180	9.459	ppbv	100
71) 2-Chlorotoluene	14.806	91	2791229	9.500	ppbv	99
72) 4-Ethyltoluene	15.198	105	2855804	9.668	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2483882	9.407	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	2847021	9.233	ppbv	95
75) 1,3-Dichlorobenzene	16.339	146	1604194	8.998	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1562894	8.967	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	1553193	8.854	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1078030	8.100	ppbv	99
79) Naphthalene	21.391	128	2353969	11.559	ppbv	98
80) Naphthalene,2-methyl-	24.378	142	703261	12.000	ppbv	94
81) 1,2,4-Trichlorobenzene	21.146	180	1293827	9.652	ppbv	99

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

