

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040832.D
 Acq On : 9 Nov 2023 11:57
 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 11/11/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 04:51:31 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1067960	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.677	114	2637718	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	2474976	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 1771607 9.728 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.774	85	2135879	11.357	ppbv	96
3) Chlorodifluoromethane	2.719	51	1690967	10.774	ppbv	96
4) Chloromethane	2.854	50	623120	10.054	ppbv	95
5) Vinyl Chloride	2.960	62	650816	10.163	ppbv	95
6) Bromomethane	3.160	94	281966	10.643	ppbv	96
7) Chloroethane	3.237	64	219401	10.525	ppbv	98
8) Dichlorotetrafluoroethane	2.899	85	1496753	10.499	ppbv	96
9) Propene	2.738	41	588076	10.088	ppbv	100
10) Heptane	7.597	43	1462625	9.988	ppbv	99
11) Trichlorofluoromethane	3.597	101	1664292	11.466	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.099	101	1177179	11.371	ppbv	98
13) Ethanol	3.279	45	119660	9.093	ppbv	97
14) Bromoethene	3.404	108	490037	11.053	ppbv	97
15) Acetone	3.504	43	1172402	10.619	ppbv	98
16) 1,3-Butadiene	3.025	39	628720	10.855	ppbv	98
17) tert-Butyl alcohol	3.912	59	973012	8.595	ppbv	99
18) 1,1-Dichloroethene	3.915	96	500255	10.781	ppbv	98
19) Isopropyl Alcohol	3.610	45	729685	10.267	ppbv #	41
20) Methylene Chloride	3.967	84	433566	9.428	ppbv	98
21) Allyl Chloride	4.028	41	806348	11.074	ppbv	96
22) trans-1,2-Dichloroethene	4.475	96	679364	13.757	ppbv	97
23) Vinyl Acetate	4.655	43	1724328	12.255	ppbv	98
24) 1,1-Dichloroethane	4.594	63	1416881	13.352	ppbv	99
25) Ethyl Acetate	5.230	43	2510969	10.380	ppbv	99
26) Hexane	5.240	57	1079022	9.760	ppbv	96
27) Carbon Disulfide	4.156	76	1354262	11.102	ppbv	99
28) Methyl tert-Butyl Ether	4.616	73	1022600	11.894	ppbv	100
29) Chloroform	5.301	83	1800620	11.256	ppbv	96
30) Cyclohexane	6.626	84	912987	9.704	ppbv	98
31) cis-1,2-Dichloroethene	5.105	61	1132089	11.111	ppbv	94
32) 1,1,1-Trichloroethane	6.028	97	1800701	10.576	ppbv	99
34) 2-Butanone	4.816	43	1599655	13.398	ppbv	100
35) Carbon Tetrachloride	6.516	117	1888403	12.755	ppbv	96
36) Benzene	6.394	78	2297124	11.322	ppbv	98
37) 1,2-Dichloroethane	5.832	62	1403768	13.510	ppbv	97
38) Trichloroethene	7.314	130	895613	9.975	ppbv	100
39) 1,2-Dichloropropane	7.095	63	896018	11.304	ppbv	95
40) 1,4-Dioxane	7.301	88	357059	11.904	ppbv #	98
41) Tetrahydrofuran	5.578	42	967906	11.707	ppbv	99
42) Bromodichloromethane	7.269	83	1999542	12.846	ppbv	98
43) Methyl Methacrylate	7.494	69	952534	11.728	ppbv	98
44) 2,2,4-Trimethylpentane	7.346	57	3798584	11.071	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	826329	12.760	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	968641	12.243	ppbv	96
47) 1,1,2-Trichloroethane	8.915	97	962845	11.564	ppbv	98
48) Dibromochloromethane	9.725	129	1706043	12.227	ppbv	100
49) Bromoform	12.420	173	1355284	11.949	ppbv	100
50) 4-Methyl-2-Pentanone	8.198	43	2428608	11.891	ppbv	97
51) 2-Hexanone	9.565	43	1811227	11.652	ppbv #	98
52) Tetrachloroethene	10.632	164	794378	9.639	ppbv	93
53) Toluene	9.237	91	2630628	10.895	ppbv	98
54) 1,2-Dibromoethane	10.021	107	1418648	12.154	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.523	131	1202102	11.901	ppbv	97
57) Chlorobenzene	11.539	112	2033186	11.465	ppbv	100
58) Ethyl Benzene	12.101	91	3570663	11.458	ppbv	97
59) m/p-Xylene	12.384	91	6000293m	23.396	ppbv	
60) o-Xylene	13.072	91	2850352	11.664	ppbv	97
61) Styrene	12.908	104	1528049	11.286	ppbv	97
62) Isopropylbenzene	14.040	105	4187599	11.139	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	2080253	11.354	ppbv	99
64) n-propylbenzene	14.928	120	1108164	10.973	ppbv	84
65) tert-Butylbenzene	16.098	119	3686745	10.873	ppbv	95
66) Benzyl Chloride	16.339	91	287322	8.411	ppbv	94
67) sec-Butylbenzene	16.645	105	5186975	11.173	ppbv	97
69) p-Isopropyltoluene	17.005	119	4236158	10.890	ppbv	97
70) n-Butylbenzene	17.892	91	4543503	11.894	ppbv	97
71) 2-Chlorotoluene	14.812	91	3280290	11.616	ppbv	96
72) 4-Ethyltoluene	15.204	105	3317246	11.592	ppbv	97
73) 1,3,5-Trimethylbenzene	15.359	105	2889011	11.466	ppbv	94
74) 1,2,4-Trimethylbenzene	16.117	105	3127611	11.361	ppbv	95
75) 1,3-Dichlorobenzene	16.342	146	1839629	10.745	ppbv	97
76) 1,4-Dichlorobenzene	16.484	146	1813236	10.694	ppbv	96
77) 1,2-Dichlorobenzene	17.153	146	1773216	10.556	ppbv	97
78) Hexachloro-1,3-Butadiene	22.648	225	1084300	9.021	ppbv	99
79) Naphthalene	21.397	128	2539476	11.349	ppbv	100
80) Naphthalene,2-methyl-	24.384	142	613186	9.765	ppbv	95
81) 1,2,4-Trichlorobenzene	21.153	180	1284810	10.576	ppbv	99

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

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