

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
 Data File : VL040982.D
 Acq On : 16 Jan 2024 11:29
 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 01/17/2024
 Supervised By : Mahesh Dadoda 01/17/2024

Quant Time: Jan 17 00:23:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Wed Jan 17 00:20:56 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1070152	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3119200	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	3010819	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2207013 9.952 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	2123552	10.418	ppbv	98
3) Chlorodifluoromethane	2.668	51	1796654	11.156	ppbv	100
4) Chloromethane	2.806	50	670478	11.291	ppbv	94
5) Vinyl Chloride	2.915	62	697492	12.169	ppbv	97
6) Bromomethane	3.118	94	280552	11.033	ppbv	97
7) Chloroethane	3.195	64	234213	11.461	ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	1696694	11.552	ppbv	100
9) Propene	2.687	41	612952	11.536	ppbv	100
10) Heptane	7.587	43	1509601	11.429	ppbv	99
11) Trichlorofluoromethane	3.562	101	1901630	11.933	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1358681	10.979	ppbv	97
13) Ethanol	3.240	45	120125	8.961	ppbv	100
14) Bromoethene	3.365	108	548528	12.093	ppbv	100
15) Acetone	3.465	43	1313331	10.233	ppbv	99
16) 1,3-Butadiene	2.980	39	660172	11.946	ppbv	100
17) tert-Butyl alcohol	3.877	59	1274174	13.420	ppbv	99
18) 1,1-Dichloroethene	3.880	96	607437	11.888	ppbv	98
19) Isopropyl Alcohol	3.574	45	839603	12.537	ppbv	99
20) Methylene Chloride	3.935	84	507679	11.097	ppbv	95
21) Allyl Chloride	3.996	41	867248	11.431	ppbv	98
22) trans-1,2-Dichloroethene	4.449	96	644722	11.065	ppbv	91
23) Vinyl Acetate	4.629	43	1442095	10.185	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1268115	10.012	ppbv	99
25) Ethyl Acetate	5.208	43	2223416	9.998	ppbv	99
26) Hexane	5.218	57	974410	9.886	ppbv	98
27) Carbon Disulfide	4.124	76	1507546	11.302	ppbv	96
28) Methyl tert-Butyl Ether	4.587	73	941523	10.294	ppbv	99
29) Chloroform	5.279	83	1497939	9.006	ppbv	99
30) Cyclohexane	6.610	84	931114	11.331	ppbv	99
31) cis-1,2-Dichloroethene	5.082	61	983038	9.709	ppbv	94
32) 1,1,1-Trichloroethane	6.008	97	1849755	11.503	ppbv	99
34) 2-Butanone	4.787	43	1432060	8.679	ppbv	100
35) Carbon Tetrachloride	6.500	117	1980079	10.136	ppbv	99
36) Benzene	6.375	78	2369436	9.717	ppbv	98
37) 1,2-Dichloroethane	5.812	62	1437139	9.836	ppbv	100
38) Trichloroethene	7.298	130	932000	10.177	ppbv	99
39) 1,2-Dichloropropane	7.079	63	930789	9.714	ppbv	98
40) 1,4-Dioxane	7.291	88	375940	9.292	ppbv	97
41) Tetrahydrofuran	5.562	42	967088	9.633	ppbv	98
42) Bromodichloromethane	7.256	83	2078025	9.861	ppbv	99
43) Methyl Methacrylate	7.478	69	981413	10.261	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3909912	9.440	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	767992	10.823	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	914453	10.409	ppbv	99
47) 1,1,2-Trichloroethane	8.909	97	981262	9.654	ppbv	95
48) Dibromochloromethane	9.719	129	1738745	10.021	ppbv	100
49) Bromoform	12.417	173	1388210	10.370	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2477624	9.915	ppbv	99
51) 2-Hexanone	9.558	43	1833347	10.193	ppbv #	100
52) Tetrachloroethene	10.626	164	808299	9.840	ppbv	96
53) Toluene	9.230	91	2697832	9.978	ppbv	98
54) 1,2-Dibromoethane	10.021	107	1406451	10.083	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.520	131	1257310	9.550	ppbv	99
57) Chlorobenzene	11.539	112	2056262	9.274	ppbv	97
58) Ethyl Benzene	12.098	91	3656720	9.456	ppbv	99
59) m/p-Xylene	12.384	91	6158487m	18.722	ppbv	
60) o-Xylene	13.072	91	2918687	9.417	ppbv	100
61) Styrene	12.912	104	1513184	10.271	ppbv	100
62) Isopropylbenzene	14.040	105	4258896	9.266	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2100787	9.409	ppbv	99
64) n-propylbenzene	14.931	120	1104575	9.581	ppbv	99
65) tert-Butylbenzene	16.105	119	3732748	9.554	ppbv	100
66) Benzyl Chloride	16.339	91	192119	7.186	ppbv	98
67) sec-Butylbenzene	16.651	105	5213170	9.182	ppbv	100
69) p-Isopropyltoluene	17.008	119	4177797	9.467	ppbv	99
70) n-Butylbenzene	17.899	91	4372696	9.544	ppbv	100
71) 2-Chlorotoluene	14.812	91	3300336	9.324	ppbv	100
72) 4-Ethyltoluene	15.204	105	3368737	9.904	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2839844	9.673	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	3157261	9.663	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	1766598	9.465	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1721683	9.430	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1673753	9.309	ppbv	98
78) Hexachloro-1,3-Butadiene	22.648	225	905502	8.188	ppbv	100
79) Naphthalene	21.403	128	2086706	13.255	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	395211	13.734	ppbv	98
81) 1,2,4-Trichlorobenzene	21.153	180	1007355	11.145	ppbv	97

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

