

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039440.D
 Acq On : 6 Jul 2022 9:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 02:12:45 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.680	49	1177130	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.188	114	3223192	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	3220159m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.429 95 2349268 9.834 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	1818415	10.710	ppbv	100
3) Chlorodifluoromethane	3.002	51	1381501	9.251	ppbv	99
4) Chloromethane	3.150	50	756587	9.263	ppbv	99
5) Vinyl Chloride	3.269	62	727701	9.035	ppbv	99
6) Bromomethane	3.488	94	321241	9.477	ppbv	97
7) Chloroethane	3.571	64	274578	9.585	ppbv	99
8) Dichlorotetrafluoroethane	3.198	85	1793933	9.672	ppbv	100
9) Propene	3.021	41	597238m	8.855	ppbv	
10) Heptane	8.137	43	1565976	9.913	ppbv	99
11) Trichlorofluoromethane	3.960	101	1832577	9.686	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.497	101	1330288	9.432	ppbv	99
13) Ethanol	3.616	45	36334m	9.286	ppbv	
14) Bromoethene	3.754	108	565308	9.533	ppbv	99
15) Acetone	3.861	43	1328902	9.542	ppbv	100
16) 1,3-Butadiene	3.340	39	714899	9.894	ppbv	98
17) tert-Butyl alcohol	4.291	59	1169276	9.892	ppbv	99
18) 1,1-Dichloroethene	4.301	96	599244	9.378	ppbv	99
19) Isopropyl Alcohol	3.970	45	685766	9.232	ppbv	98
20) Methylene Chloride	4.356	84	494879	8.915	ppbv	95
21) Allyl Chloride	4.423	41	933365	9.677	ppbv	99
22) trans-1,2-Dichloroethene	4.899	96	610242	9.866	ppbv	98
23) Vinyl Acetate	5.086	43	983335	10.566	ppbv	98
24) 1,1-Dichloroethane	5.024	63	1337878	10.179	ppbv	100
25) Ethyl Acetate	5.687	43	2833491	9.923	ppbv	99
26) Hexane	5.700	57	1216898	10.572	ppbv	98
27) Carbon Disulfide	4.561	76	1465910	10.551	ppbv	99
28) Methyl tert-Butyl Ether	5.044	73	1251792	10.171	ppbv	96
29) Chloroform	5.761	83	1925255	9.619	ppbv	96
30) Cyclohexane	7.143	84	1040507	9.929	ppbv	98
31) cis-1,2-Dichloroethene	5.561	61	1163316	9.525	ppbv	99
32) 1,1,1-Trichloroethane	6.526	97	1946370	9.852	ppbv	100
34) 2-Butanone	5.253	43	1648555	10.161	ppbv	100
35) Carbon Tetrachloride	7.034	117	2079568	10.441	ppbv	98
36) Benzene	6.902	78	2465707	9.884	ppbv	97
37) 1,2-Dichloroethane	6.320	62	1486832	10.098	ppbv	99
38) Trichloroethene	7.848	130	1336153	9.903	ppbv	97
39) 1,2-Dichloropropane	7.626	63	938241	10.068	ppbv	95
40) 1,4-Dioxane	7.838	88	370459m	9.975	ppbv	
41) Tetrahydrofuran	6.063	42	943383	10.034	ppbv	99
42) Bromodichloromethane	7.806	83	2089333	10.524	ppbv	96
43) Methyl Methacrylate	8.024	69	1009814	10.646	ppbv	99
44) 2,2,4-Trimethylpentane	7.883	57	4193890	9.921	ppbv	99
45) t-1,3-Dichloropropene	9.288	75	1016162	12.032	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.716	75	1319573	11.352	ppbv	97
47) 1,1,2-Trichloroethane	9.487	97	1049419	10.036	ppbv	99
48) Dibromochloromethane	10.317	129	1860291	11.193	ppbv	100
49) Bromoform	13.053	173	1555878	11.604	ppbv	99
50) 4-Methyl-2-Pentanone	8.754	43	2645549	10.784	ppbv	98
51) 2-Hexanone	10.143	43	2077551	11.196	ppbv #	100
52) Tetrachloroethene	11.236	164	964463	9.604	ppbv	97
53) Toluene	9.818	91	3015078	10.478	ppbv	100
54) 1,2-Dibromoethane	10.622	107	1383812	10.636	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.137	131	1357587	9.543	ppbv	94
57) Chlorobenzene	12.162	112	2360706	9.456	ppbv	98
58) Ethyl Benzene	12.722	91	4108676	9.881	ppbv	98
59) m/p-Xylene	13.011	91	7152113m	19.511	ppbv	
60) o-Xylene	13.703	91	3386826	9.757	ppbv	99
61) Styrene	13.542	104	1969578	10.474	ppbv	98
62) Isopropylbenzene	14.680	105	5048295	9.550	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.687	83	1649251	9.064	ppbv	99
64) n-propylbenzene	15.571	120	1316850	9.828	ppbv	99
65) tert-Butylbenzene	16.754	119	4654894	9.529	ppbv	100
66) Benzyl Chloride	16.998	91	486845	10.488	ppbv	99
67) sec-Butylbenzene	17.304	105	6377125	9.692	ppbv	100
69) p-Isopropyltoluene	17.661	119	5474723	9.807	ppbv	99
70) n-Butylbenzene	18.558	91	5350546	9.875	ppbv	100
71) 2-Chlorotoluene	15.465	91	3713021	9.814	ppbv	100
72) 4-Ethyltoluene	15.850	105	4145777	10.158	ppbv	99
73) 1,3,5-Trimethylbenzene	16.005	105	3803405	10.147	ppbv	97
74) 1,2,4-Trimethylbenzene	16.773	105	4072217	9.821	ppbv	98
75) 1,3-Dichlorobenzene	17.008	146	2390225	9.663	ppbv	99
76) 1,4-Dichlorobenzene	17.149	146	2300061	9.382	ppbv	99
77) 1,2-Dichlorobenzene	17.828	146	2339775	9.543	ppbv	100
78) Hexachloro-1,3-Butadiene	23.381	225	1612349	8.177	ppbv	99
79) Naphthalene	22.204	128	3133579	10.981	ppbv	99
80) Naphthalene,2-methyl-	24.975	142	1058398	10.897	ppbv	98
81) 1,2,4-Trichlorobenzene	21.934	180	1805860	9.716	ppbv	99

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

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