

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
 Data File : VL039442.D
 Acq On : 12 Jul 2022 10:13
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 13 01:29:45 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 13 01:29:45 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/20/2022
 Supervised By : Mahesh Dadoda 07/20/2022

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

Internal Standards						
1) Bromochloromethane	5.680	49	1247164	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.188	114	3497827	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	3258704m	10.000	ppbv	0.03

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 14.429 95 2431540 10.058 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	3.063	85	1845683	10.260	ppbv	98
3) Chlorodifluoromethane	2.999	51	1544060	9.758	ppbv	99
4) Chloromethane	3.153	50	857403	9.908	ppbv	100
5) Vinyl Chloride	3.269	62	840273	9.847	ppbv	99
6) Bromomethane	3.484	94	362700	10.099	ppbv	96
7) Chloroethane	3.571	64	308076	10.150	ppbv	99
8) Dichlorotetrafluoroethane	3.201	85	2008021	10.219	ppbv	99
9) Propene	3.021	41	696031	9.741	ppbv	100
10) Heptane	8.137	43	1769442	10.572	ppbv	100
11) Trichlorofluoromethane	3.963	101	1965317	9.804	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.500	101	1459206	9.765	ppbv	99
13) Ethanol	3.619	45	50826m	12.260	ppbv	
14) Bromoethene	3.754	108	636318	10.128	ppbv	99
15) Acetone	3.861	43	1463437	9.918	ppbv	98
16) 1,3-Butadiene	3.340	39	802760	10.486	ppbv	98
17) tert-Butyl alcohol	4.291	59	1420467	11.343	ppbv	100
18) 1,1-Dichloroethene	4.301	96	676746	9.996	ppbv	97
19) Isopropyl Alcohol	3.970	45	825008	10.483	ppbv #	95
20) Methylene Chloride	4.359	84	530044	9.013	ppbv	99
21) Allyl Chloride	4.423	41	1055451	10.328	ppbv	100
22) trans-1,2-Dichloroethene	4.899	96	676278	10.320	ppbv	98
23) Vinyl Acetate	5.082	43	1163406	11.799	ppbv	98
24) 1,1-Dichloroethane	5.025	63	1407029	10.104	ppbv	99
25) Ethyl Acetate	5.687	43	3202122	10.584	ppbv	100
26) Hexane	5.700	57	1352055	11.087	ppbv	99
27) Carbon Disulfide	4.562	76	1661076	11.284	ppbv	98
28) Methyl tert-Butyl Ether	5.050	73	1339954	10.276	ppbv	98
29) Chloroform	5.764	83	2126385	10.027	ppbv	100
30) Cyclohexane	7.143	84	1182124	10.647	ppbv	98
31) cis-1,2-Dichloroethene	5.565	61	1362465	10.529	ppbv	97
32) 1,1,1-Trichloroethane	6.526	97	2172958	10.382	ppbv	99
34) 2-Butanone	5.253	43	1857003	10.547	ppbv	99
35) Carbon Tetrachloride	7.031	117	2322393	10.745	ppbv	98
36) Benzene	6.905	78	2835816	10.475	ppbv	98
37) 1,2-Dichloroethane	6.320	62	1612267	10.090	ppbv	100
38) Trichloroethene	7.851	130	1488244	10.164	ppbv	98
39) 1,2-Dichloropropane	7.629	63	1056398	10.446	ppbv	99
40) 1,4-Dioxane	7.841	88	417034	10.348	ppbv	95
41) Tetrahydrofuran	6.060	42	1116959	10.947	ppbv	99
42) Bromodichloromethane	7.806	83	2347646	10.897	ppbv	99
43) Methyl Methacrylate	8.024	69	1118405	10.865	ppbv	97
44) 2,2,4-Trimethylpentane	7.883	57	4711438	10.270	ppbv	99
45) t-1,3-Dichloropropene	9.291	75	1194286m	13.031	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.716	75	1551296	12.297	ppbv	97
47) 1,1,2-Trichloroethane	9.491	97	1161599	10.236	ppbv	94
48) Dibromochloromethane	10.320	129	2127247	11.795	ppbv	100
49) Bromoform	13.053	173	1795330	12.339	ppbv	100
50) 4-Methyl-2-Pentanone	8.751	43	2968593	11.150	ppbv	100
51) 2-Hexanone	10.140	43	2325235	11.547	ppbv #	99
52) Tetrachloroethene	11.236	164	1107542	10.163	ppbv	99
53) Toluene	9.819	91	3407976	10.914	ppbv	100
54) 1,2-Dibromoethane	10.626	107	1553155	11.000	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.140	131	1517874	10.544	ppbv	94
57) Chlorobenzene	12.159	112	2563252	10.146	ppbv #	97
58) Ethyl Benzene	12.725	91	4547811	10.808	ppbv	100
59) m/p-Xylene	13.008	91	7721496m	20.815	ppbv	
60) o-Xylene	13.706	91	3684458	10.489	ppbv	98
61) Styrene	13.539	104	2224800	11.692	ppbv	99
62) Isopropylbenzene	14.680	105	5489456	10.262	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.690	83	1769110	9.608	ppbv	100
64) n-propylbenzene	15.574	120	1444504	10.654	ppbv	99
65) tert-Butylbenzene	16.757	119	5013562	10.142	ppbv	100
66) Benzyl Chloride	17.002	91	613247	13.055	ppbv	97
67) sec-Butylbenzene	17.307	105	6833270	10.263	ppbv	99
69) p-Isopropyltoluene	17.664	119	5900694	10.445	ppbv	99
70) n-Butylbenzene	18.558	91	5771012	10.525	ppbv	100
71) 2-Chlorotoluene	15.465	91	3996476	10.438	ppbv	99
72) 4-Ethyltoluene	15.850	105	4415828	10.692	ppbv	100
73) 1,3,5-Trimethylbenzene	16.008	105	4069777	10.729	ppbv	99
74) 1,2,4-Trimethylbenzene	16.776	105	4364726	10.401	ppbv	95
75) 1,3-Dichlorobenzene	17.008	146	2600265	10.388	ppbv	100
76) 1,4-Dichlorobenzene	17.149	146	2535149	10.219	ppbv	99
77) 1,2-Dichlorobenzene	17.825	146	2551056	10.282	ppbv	100
78) Hexachloro-1,3-Butadiene	23.387	225	1800923	9.025	ppbv	99
79) Naphthalene	22.207	128	3528229	12.218	ppbv	99
80) Naphthalene,2-methyl-	24.976	142	1299639	13.223	ppbv	99
81) 1,2,4-Trichlorobenzene	21.940	180	2014433	10.710	ppbv	99

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

Manual Integrations

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