

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039419.D
 Acq On : 5 Jul 2022 13:18
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 06 02:18:07 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
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.668	49	1329835	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	3654829	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.086	117	3502206m	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2607841	10.037	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	1803215	9.401	ppbv	100
3) Chlorodifluoromethane	2.993	51	1537994	9.116	ppbv	98
4) Chloromethane	3.144	50	869527	9.423	ppbv	99
5) Vinyl Chloride	3.260	62	810080	8.903	ppbv	97
6) Bromomethane	3.478	94	364056	9.507	ppbv	99
7) Chloroethane	3.562	64	302042	9.333	ppbv	98
8) Dichlorotetrafluoroethane	3.192	85	1961563	9.362	ppbv	99
9) Propene	3.012	41	708086	9.293	ppbv	99
10) Heptane	8.124	43	1785209	10.003	ppbv	100
11) Trichlorofluoromethane	3.954	101	1908143	8.927	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.488	101	1433457	8.996	ppbv	99
13) Ethanol	3.604	45	46534m	10.527	ppbv	
14) Bromoethene	3.745	108	609347	9.096	ppbv	98
15) Acetone	3.851	43	1479470	9.404	ppbv	100
16) 1,3-Butadiene	3.333	39	794672	9.735	ppbv	99
17) tert-Butyl alcohol	4.285	59	1319200	9.879	ppbv	99
18) 1,1-Dichloroethene	4.292	96	653827	9.057	ppbv	99
19) Isopropyl Alcohol	3.957	45	795119	9.475	ppbv #	97
20) Methylene Chloride	4.346	84	543900	8.673	ppbv	97
21) Allyl Chloride	4.414	41	1048438	9.622	ppbv	97
22) trans-1,2-Dichloroethene	4.886	96	652705	9.341	ppbv	97
23) Vinyl Acetate	5.073	43	1105027	10.510	ppbv	99
24) 1,1-Dichloroethane	5.012	63	1479049	9.960	ppbv	98
25) Ethyl Acetate	5.674	43	3189829	9.888	ppbv	100
26) Hexane	5.690	57	1347959	10.366	ppbv	99
27) Carbon Disulfide	4.552	76	1626534	10.363	ppbv	99
28) Methyl tert-Butyl Ether	5.034	73	1469842	10.572	ppbv	97
29) Chloroform	5.751	83	2104383	9.307	ppbv	99
30) Cyclohexane	7.131	84	1172492	9.904	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	1366681	9.905	ppbv	99
32) 1,1,1-Trichloroethane	6.513	97	2099088	9.405	ppbv	100
34) 2-Butanone	5.243	43	1891765	10.283	ppbv	100
35) Carbon Tetrachloride	7.018	117	2200628	9.744	ppbv	99
36) Benzene	6.890	78	2829538	10.003	ppbv	97
37) 1,2-Dichloroethane	6.308	62	1596414	9.562	ppbv	100
38) Trichloroethene	7.835	130	1470707	9.613	ppbv	99
39) 1,2-Dichloropropane	7.613	63	1064767	10.076	ppbv	98
40) 1,4-Dioxane	7.828	88	408109	9.691	ppbv #	1
41) Tetrahydrofuran	6.047	42	1136781	10.663	ppbv	99
42) Bromodichloromethane	7.790	83	2279222	10.125	ppbv	99
43) Methyl Methacrylate	8.012	69	1136830	10.570	ppbv	99
44) 2,2,4-Trimethylpentane	7.870	57	4704153	9.814	ppbv	99
45) t-1,3-Dichloropropene	9.279	75	1198900	12.519	ppbv	99

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	1545283	11.723	ppbv	98
47) 1,1,2-Trichloroethane	9.475	97	1162621	9.805	ppbv	99
48) Dibromochloromethane	10.304	129	2040351	10.827	ppbv	100
49) Bromoform	13.037	173	1714429	11.277	ppbv	100
50) 4-Methyl-2-Pentanone	8.738	43	2995360	10.767	ppbv	99
51) 2-Hexanone	10.127	43	2365872	11.244	ppbv #	100
52) Tetrachloroethene	11.224	164	1090004	9.572	ppbv	97
53) Toluene	9.803	91	3394275	10.403	ppbv	99
54) 1,2-Dibromoethane	10.610	107	1544497	10.469	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.124	131	1480405	9.569	ppbv	96
57) Chlorobenzene	12.147	112	2570497	9.467	ppbv #	96
58) Ethyl Benzene	12.709	91	4526826	10.010	ppbv	100
59) m/p-Xylene	12.992	91	7737069m	19.406	ppbv	
60) o-Xylene	13.690	91	3688346	9.770	ppbv	99
61) Styrene	13.526	104	2257678	11.040	ppbv	99
62) Isopropylbenzene	14.664	105	5463796	9.504	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.674	83	1760219	8.895	ppbv	100
64) n-propylbenzene	15.558	120	1458257	10.007	ppbv	98
65) tert-Butylbenzene	16.745	119	4967423	9.350	ppbv	99
66) Benzyl Chloride	16.982	91	654752	12.969	ppbv	100
67) sec-Butylbenzene	17.291	105	6863362	9.591	ppbv	99
69) p-Isopropyltoluene	17.648	119	5928861	9.765	ppbv	100
70) n-Butylbenzene	18.545	91	5854732	9.935	ppbv	100
71) 2-Chlorotoluene	15.452	91	4051981	9.848	ppbv	100
72) 4-Ethyltoluene	15.838	105	4443649	10.011	ppbv	100
73) 1,3,5-Trimethylbenzene	15.992	105	4092537	10.039	ppbv	98
74) 1,2,4-Trimethylbenzene	16.757	105	4411337	9.782	ppbv	95
75) 1,3-Dichlorobenzene	16.992	146	2633057	9.788	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	2541172	9.531	ppbv	100
77) 1,2-Dichlorobenzene	17.815	146	2596702	9.738	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	1829959	8.533	ppbv	100
79) Naphthalene	22.191	128	3731413	12.023	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	1358414	12.860	ppbv	99
81) 1,2,4-Trichlorobenzene	21.921	180	2079836	10.289	ppbv	100

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

