

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072022\
 Data File : VL039512.D
 Acq On : 20 Jul 2022 15:57
 Operator : SY/AP
 Sample : VL0720ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/21/2022
 Supervised By : Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 06:07:02 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 20 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	5.687	49	982112	10.000	ppbv	0.04
33) 1,4-Difluorobenzene	7.195	114	2766770	10.000	ppbv	0.04
55) Chlorobenzene-d5	12.105	117	3348435	10.000	ppbv	# 0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.433 95 2094901 8.433 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 84.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.063	85	954299	6.736	ppbv	96
3) Chlorodifluoromethane	3.002	51	1294774	10.391	ppbv	100
4) Chloromethane	3.153	50	716214	10.510	ppbv	98
5) Vinyl Chloride	3.276	62	672723	10.011	ppbv	99
6) Bromomethane	3.488	94	307852	10.885	ppbv	99
7) Chloroethane	3.575	64	249256	10.428	ppbv	97
8) Dichlorotetrafluoroethane	3.202	85	1471922	9.512	ppbv	97
9) Propene	3.022	41	563562	10.015	ppbv	96
10) Heptane	8.140	43	1458269	11.065	ppbv	98
11) Trichlorofluoromethane	3.967	101	1705988	10.807	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.501	101	1213821	10.315	ppbv	99
13) Ethanol	3.616	45	27178m	8.325	ppbv	
14) Bromoethene	3.755	108	530677	10.727	ppbv	99
15) Acetone	3.864	43	1244688	10.712	ppbv	100
16) 1,3-Butadiene	3.343	39	636908	10.565	ppbv	97
17) tert-Butyl alcohol	4.298	59	1203423	12.203	ppbv	100
18) 1,1-Dichloroethene	4.308	96	553362	10.379	ppbv	97
19) Isopropyl Alcohol	3.977	45	672156	10.845	ppbv #	97
20) Methylene Chloride	4.359	84	475452	10.266	ppbv	94
21) Allyl Chloride	4.430	41	888136	11.036	ppbv	97
22) trans-1,2-Dichloroethene	4.903	96	559099	10.834	ppbv	97
23) Vinyl Acetate	5.089	43	968508	12.473	ppbv	98
24) 1,1-Dichloroethane	5.028	63	1261244	11.501	ppbv	98
25) Ethyl Acetate	5.694	43	2672380	11.217	ppbv	99
26) Hexane	5.706	57	1142209	11.894	ppbv	99
27) Carbon Disulfide	4.568	76	1351949	11.663	ppbv	98
28) Methyl tert-Butyl Ether	5.050	73	1198401	11.671	ppbv	97
29) Chloroform	5.771	83	1794068	10.743	ppbv	99
30) Cyclohexane	7.150	84	975433	11.157	ppbv	98
31) cis-1,2-Dichloroethene	5.565	61	1111633	10.909	ppbv	99
32) 1,1,1-Trichloroethane	6.530	97	1836094	11.140	ppbv	100
34) 2-Butanone	5.259	43	1556952	11.179	ppbv	99
35) Carbon Tetrachloride	7.038	117	1993703	11.662	ppbv	98
36) Benzene	6.909	78	2349828	10.974	ppbv	96
37) 1,2-Dichloroethane	6.324	62	1398218	11.063	ppbv	100
38) Trichloroethene	7.854	130	1285483	11.099	ppbv	96
39) 1,2-Dichloropropane	7.636	63	848447	10.606	ppbv	99
40) 1,4-Dioxane	7.854	88	246463	7.731	ppbv #	1
41) Tetrahydrofuran	6.067	42	905780	11.223	ppbv	99
42) Bromodichloromethane	7.809	83	1947173	11.426	ppbv	99
43) Methyl Methacrylate	8.031	69	946146	11.620	ppbv	99
44) 2,2,4-Trimethylpentane	7.886	57	3889923	10.720	ppbv	99
45) t-1,3-Dichloropropene	9.301	75	970585	13.388	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.726	75	1250877	12.536	ppbv	99
47) 1,1,2-Trichloroethane	9.497	97	989544	11.024	ppbv	100
48) Dibromochloromethane	10.327	129	1760349	12.339	ppbv	100
49) Bromoform	13.060	173	1449936	12.598	ppbv	100
50) 4-Methyl-2-Pentanone	8.758	43	2432888	11.553	ppbv	99
51) 2-Hexanone	10.150	43	1908143	11.979	ppbv	100
52) Tetrachloroethene	11.243	164	935592	10.853	ppbv	99
53) Toluene	9.828	91	2818882	11.413	ppbv	99
54) 1,2-Dibromoethane	10.632	107	1272634	11.395	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.150	131	1284510m	8.684	ppbv	
57) Chlorobenzene	12.166	112	2200412	8.476	ppbv	96
58) Ethyl Benzene	12.732	91	3806259	8.803	ppbv	98
59) m/p-Xylene	13.018	91	6588225m	17.284	ppbv	
60) o-Xylene	13.713	91	3162149	8.761	ppbv	99
61) Styrene	13.545	104	1857540	9.500	ppbv	99
62) Isopropylbenzene	14.687	105	4714514	8.577	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.696	83	1463906	7.738	ppbv	97
64) n-propylbenzene	15.577	120	1254014	9.001	ppbv	98
65) tert-Butylbenzene	16.761	119	4343227	8.551	ppbv	100
66) Benzyl Chloride	17.008	91	433721	8.986	ppbv	99
67) sec-Butylbenzene	17.314	105	5886506	8.604	ppbv	100
69) p-Isopropyltoluene	17.671	119	5094738	8.776	ppbv	99
70) n-Butylbenzene	18.564	91	4954551	8.794	ppbv	99
71) 2-Chlorotoluene	15.471	91	3424673	8.705	ppbv	100
72) 4-Ethyltoluene	15.857	105	3852624	9.078	ppbv	99
73) 1,3,5-Trimethylbenzene	16.015	105	3580888	9.187	ppbv	97
74) 1,2,4-Trimethylbenzene	16.780	105	3761891	8.725	ppbv	97
75) 1,3-Dichlorobenzene	17.018	146	2248562	8.742	ppbv	100
76) 1,4-Dichlorobenzene	17.156	146	2197212	8.619	ppbv	98
77) 1,2-Dichlorobenzene	17.835	146	2155585	8.455	ppbv	100
78) Hexachloro-1,3-Butadiene	23.387	225	1552903m	7.574	ppbv	
79) Naphthalene	22.214	128	2996358	10.098	ppbv	99
80) Naphthalene,2-methyl-	24.982	142	1117721	11.067	ppbv	99
81) 1,2,4-Trichlorobenzene	21.944	180	1732951	8.966	ppbv	98

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

