

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\
 Data File : VL039072.D
 Acq On : 17 May 2022 17:00
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/18/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 18 01:50:10 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 18 01:50:10 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.681	49	801046	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.189	114	1951142	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.095	117	1667188	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.423 95 1379635 10.449 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.063	85	69305	0.552	ppbv	95
3) Chlorodifluoromethane	3.002	51	49375	0.497	ppbv	97
4) Chloromethane	3.157	50	24359	0.489	ppbv	97
5) Vinyl Chloride	3.269	62	21857	0.481	ppbv	98
6) Bromomethane	3.491	94	10579	0.493	ppbv	88
7) Chloroethane	3.565	64	8570m	0.563	ppbv	
8) Dichlorotetrafluoroethane	3.202	85	62770	0.552	ppbv	90
9) Propene	3.025	41	24163m	0.557	ppbv	
10) Heptane	8.137	43	41161	0.387	ppbv	90
11) Trichlorofluoromethane	3.964	101	59306	0.551	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	4.497	101	40014	0.539	ppbv	94
13) Ethanol	3.636	45	2010m	0.654	ppbv	
14) Bromoethene	3.755	108	16966m	0.555	ppbv	
15) Acetone	3.877	43	49454m	0.654	ppbv	
16) 1,3-Butadiene	3.343	39	23534m	0.542	ppbv	
17) tert-Butyl alcohol	4.311	59	32992m	0.568	ppbv	
18) 1,1-Dichloroethene	4.301	96	18718m	0.586	ppbv	
19) Isopropyl Alcohol	3.993	45	23463m	0.653	ppbv	
20) Methylene Chloride	4.359	84	18303	0.643	ppbv	93
21) Allyl Chloride	4.423	41	22826	0.443	ppbv	88
22) trans-1,2-Dichloroethene	4.899	96	15583	0.452	ppbv	96
23) Vinyl Acetate	5.092	43	29856m	0.499	ppbv	
24) 1,1-Dichloroethane	5.025	63	37150m	0.540	ppbv	
25) Ethyl Acetate	5.700	43	75378	0.417	ppbv #	96
26) Hexane	5.700	57	35497	0.442	ppbv	89
27) Carbon Disulfide	4.565	76	33328m	0.437	ppbv	
28) Methyl tert-Butyl Ether	5.054	73	32979m	0.539	ppbv	
29) Chloroform	5.764	83	64900	0.499	ppbv	98
30) Cyclohexane	7.144	84	29067	0.432	ppbv	88
31) cis-1,2-Dichloroethene	5.562	61	37482m	0.458	ppbv	
32) 1,1,1-Trichloroethane	6.529	97	58235	0.448	ppbv	96
34) 2-Butanone	5.272	43	38171	0.383	ppbv #	89
35) Carbon Tetrachloride	7.034	117	58837	0.458	ppbv	88
36) Benzene	6.902	78	73512m	0.440	ppbv	
37) 1,2-Dichloroethane	6.327	62	51978m	0.503	ppbv	
38) Trichloroethene	7.845	130	32411m	0.437	ppbv	
39) 1,2-Dichloropropane	7.619	63	30959m	0.477	ppbv	
40) 1,4-Dioxane	7.883	88	11978m	0.513	ppbv	
41) Tetrahydrofuran	6.089	42	27442m	0.410	ppbv	
42) Bromodichloromethane	7.803	83	58289m	0.413	ppbv	
43) Methyl Methacrylate	8.034	69	26909m	0.397	ppbv	
44) 2,2,4-Trimethylpentane	7.877	57	127516m	0.435	ppbv	
45) t-1,3-Dichloropropene	9.295	75	16480	0.251	ppbv	90

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QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.719	75	28041m	0.322	ppbv	
47) 1,1,2-Trichloroethane	9.491	97	27709	0.410	ppbv #	87
48) Dibromochloromethane	10.317	129	39774m	0.362	ppbv	
49) Bromoform	13.050	173	26924	0.321	ppbv	99
50) 4-Methyl-2-Pentanone	8.774	43	70161m	0.402	ppbv	
51) 2-Hexanone	10.163	43	46292m	0.363	ppbv	
52) Tetrachloroethene	11.233	164	25847m	0.433	ppbv	
53) Toluene	9.822	91	74632m	0.399	ppbv	
54) 1,2-Dibromoethane	10.623	107	38381m	0.417	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.137	131	34103m	0.466	ppbv	
57) Chlorobenzene	12.163	112	63084m	0.505	ppbv	
58) Ethyl Benzene	12.725	91	105648m	0.440	ppbv	
59) m/p-Xylene	13.005	91	185343m	0.905	ppbv	
60) o-Xylene	13.703	91	87741	0.455	ppbv	98
61) Styrene	13.539	104	37266	0.362	ppbv	90
62) Isopropylbenzene	14.677	105	130895	0.464	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.696	83	52655m	0.464	ppbv	
64) n-propylbenzene	15.564	120	28623m	0.420	ppbv	
65) tert-Butylbenzene	16.757	119	106354	0.431	ppbv	88
66) Benzyl Chloride	16.998	91	9910m	0.307	ppbv	
67) sec-Butylbenzene	17.304	105	156280	0.443	ppbv	98
69) p-Isopropyltoluene	17.664	119	121566m	0.426	ppbv	
70) n-Butylbenzene	18.561	91	121290	0.400	ppbv	99
71) 2-Chlorotoluene	15.465	91	89727	0.413	ppbv	100
72) 4-Ethyltoluene	15.854	105	89770	0.409	ppbv	98
73) 1,3,5-Trimethylbenzene	16.005	105	82118	0.415	ppbv	95
74) 1,2,4-Trimethylbenzene	16.773	105	96922	0.448	ppbv	97
75) 1,3-Dichlorobenzene	17.002	146	50171	0.423	ppbv	90
76) 1,4-Dichlorobenzene	17.146	146	50121m	0.429	ppbv	
77) 1,2-Dichlorobenzene	17.831	146	52003m	0.443	ppbv	
78) Hexachloro-1,3-Butadiene	23.374	225	53497m	0.496	ppbv	
79) Naphthalene	22.214	128	62675m	0.356	ppbv	
80) Naphthalene,2-methyl-	24.976	142	11508m	0.216	ppbv	
81) 1,2,4-Trichlorobenzene	21.944	180	39542m	0.384	ppbv	

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

Manual Integrations

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