

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039938.D
 Acq On : 1 Dec 2022 12:18
 Operator : SY/MD
 Sample : VL1201ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1201ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/02/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:31:06 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Fri Dec 02 05:29:35 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1145567	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3168081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	3139968	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2424473 10.109 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	2286165	13.934	ppbv	95
3) Chlorodifluoromethane	2.649	51	1391604	8.803	ppbv	96
4) Chloromethane	2.787	50	870981	8.622	ppbv	97
5) Vinyl Chloride	2.896	62	748004	9.476	ppbv	98
6) Bromomethane	3.092	94	263350	9.781	ppbv	99
7) Chloroethane	3.173	64	276398	8.859	ppbv	99
8) Dichlorotetrafluoroethane	2.832	85	1826347	9.749	ppbv	99
9) Propene	2.671	41	611410	8.211	ppbv	98
10) Heptane	7.562	43	1543207	8.589	ppbv	99
11) Trichlorofluoromethane	3.539	101	1926185	9.625	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.041	101	1395159	9.211	ppbv	97
13) Ethanol	3.218	45	33415m	5.878	ppbv	
14) Bromoethene	3.343	108	574501	9.726	ppbv	99
15) Acetone	3.443	43	1284924	8.456	ppbv	98
16) 1,3-Butadiene	2.960	39	678900	8.965	ppbv	98
17) tert-Butyl alcohol	3.854	59	1432152	8.198	ppbv	99
18) 1,1-Dichloroethene	3.858	96	631491	9.140	ppbv	96
19) Isopropyl Alcohol	3.552	45	626225	7.612	ppbv #	32
20) Methylene Chloride	3.909	84	524992	7.132	ppbv	96
21) Allyl Chloride	3.973	41	919217	8.721	ppbv	99
22) trans-1,2-Dichloroethene	4.420	96	644679	9.176	ppbv	95
23) Vinyl Acetate	4.600	43	511953	8.201	ppbv	99
24) 1,1-Dichloroethane	4.539	63	1328839	8.829	ppbv	100
25) Ethyl Acetate	5.182	43	2680235	9.607	ppbv	100
26) Hexane	5.189	57	1170997	9.609	ppbv	98
27) Carbon Disulfide	4.099	76	1555953	10.113	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	1293089	8.474	ppbv	98
29) Chloroform	5.253	83	1948216	12.029	ppbv	100
30) Cyclohexane	6.578	84	1020556	8.533	ppbv	98
31) cis-1,2-Dichloroethene	5.057	61	1014531	9.010	ppbv	93
32) 1,1,1-Trichloroethane	5.983	97	2008132	9.928	ppbv	98
34) 2-Butanone	4.761	43	1454988	9.598	ppbv	99
35) Carbon Tetrachloride	6.472	117	2092105	11.628	ppbv	99
36) Benzene	6.349	78	2591211	9.622	ppbv	99
37) 1,2-Dichloroethane	5.783	62	1532858	10.387	ppbv	100
38) Trichloroethene	7.272	130	1476617	9.809	ppbv	99
39) 1,2-Dichloropropane	7.054	63	978315	9.325	ppbv	97
40) 1,4-Dioxane	7.266	88	359711	8.606	ppbv #	1
41) Tetrahydrofuran	5.536	42	983941	9.402	ppbv	98
42) Bromodichloromethane	7.230	83	2170022	10.843	ppbv	99
43) Methyl Methacrylate	7.455	69	1038933	9.841	ppbv	98
44) 2,2,4-Trimethylpentane	7.304	57	4161505	9.257	ppbv	99
45) t-1,3-Dichloropropene	8.690	75	1001989	10.272	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1336327	9.889	ppbv	98
47) 1,1,2-Trichloroethane	8.883	97	1056837	9.801	ppbv	99
48) Dibromochloromethane	9.693	129	1811762	11.472	ppbv	100
49) Bromoform	12.391	173	1391383	10.884	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2583094	9.514	ppbv	99
51) 2-Hexanone	9.536	43	2004073	9.509	ppbv #	99
52) Tetrachloroethene	10.597	164	890772	8.842	ppbv	95
53) Toluene	9.205	91	2962666	9.658	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1225484	10.650	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.494	131	1280353	9.975	ppbv	95
57) Chlorobenzene	11.510	112	2215832	9.230	ppbv	98
58) Ethyl Benzene	12.073	91	3933578	9.234	ppbv	99
59) m/p-Xylene	12.359	91	6629898m	18.595	ppbv	
60) o-Xylene	13.044	91	3168917	9.320	ppbv	98
61) Styrene	12.883	104	1879980	9.263	ppbv	99
62) Isopropylbenzene	14.015	105	4511695	9.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1090023	9.601	ppbv	100
64) n-propylbenzene	14.902	120	1166949	9.098	ppbv	92
65) tert-Butylbenzene	16.076	119	3822356	8.911	ppbv	98
66) Benzyl Chloride	16.317	91	285748	7.774	ppbv	95
67) sec-Butylbenzene	16.622	105	5339240	9.053	ppbv	98
69) p-Isopropyltoluene	16.979	119	4312032	8.876	ppbv	99
70) n-Butylbenzene	17.873	91	4349077	9.030	ppbv	98
71) 2-Chlorotoluene	14.786	91	3386480	9.112	ppbv	98
72) 4-Ethyltoluene	15.179	105	3552477	9.295	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3168786	9.057	ppbv	97
74) 1,2,4-Trimethylbenzene	16.092	105	3351322	9.048	ppbv #	90
75) 1,3-Dichlorobenzene	16.317	146	1840387	8.831	ppbv	98
76) 1,4-Dichlorobenzene	16.458	146	1796048	8.693	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	1735778	8.639	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1030241	7.390	ppbv	100
79) Naphthalene	21.371	128	1934572	8.727	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	479137	7.685	ppbv	96
81) 1,2,4-Trichlorobenzene	21.127	180	1081835	7.902	ppbv	98

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

