

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039846.D
 Acq On : 9 Nov 2022 13:14
 Operator : SY/AP
 Sample : VL1109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1109ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/10/2022
 Supervised By : Mahesh Dadoda 11/11/2022

Dadoda 11/11/2022

Quant Time: Nov 10 03:48:08 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	955081	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.629	114	2488627	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.433	117	2480523m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.738 95 1932415 10.408 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	1701473	10.552	ppbv	99
3) Chlorodifluoromethane	2.677	51	1182197	10.383	ppbv	96
4) Chloromethane	2.816	50	688169	9.707	ppbv	97
5) Vinyl Chloride	2.922	62	592167	10.317	ppbv	99
6) Bromomethane	3.121	94	211813	10.345	ppbv	100
7) Chloroethane	3.198	64	202627	9.420	ppbv	100
8) Dichlorotetrafluoroethane	2.861	85	1406566	10.235	ppbv	94
9) Propene	2.700	41	539884	9.101	ppbv	98
10) Heptane	7.552	43	1361320	9.579	ppbv	100
11) Trichlorofluoromethane	3.558	101	1418571	10.787	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1034323	10.890	ppbv	97
13) Ethanol	3.246	45	34640m	8.262	ppbv	
14) Bromoethene	3.362	108	437704	10.292	ppbv	99
15) Acetone	3.465	43	953580	8.203	ppbv	98
16) 1,3-Butadiene	2.986	39	525931	9.728	ppbv	97
17) tert-Butyl alcohol	3.870	59	938253	8.475	ppbv	99
18) 1,1-Dichloroethene	3.873	96	464425	10.665	ppbv	97
19) Isopropyl Alcohol	3.574	45	460511	8.003	ppbv #	32
20) Methylene Chloride	3.925	84	389018	9.354	ppbv	93
21) Allyl Chloride	3.989	41	669296	9.102	ppbv	98
22) trans-1,2-Dichloroethene	4.433	96	482798	10.923	ppbv	90
23) Vinyl Acetate	4.616	43	386286	8.341	ppbv	98
24) 1,1-Dichloroethane	4.552	63	943507	9.974	ppbv	98
25) Ethyl Acetate	5.188	43	2307495	9.636	ppbv	99
26) Hexane	5.198	57	993739	9.307	ppbv	99
27) Carbon Disulfide	4.114	76	1171644	10.450	ppbv	98
28) Methyl tert-Butyl Ether	4.574	73	918342	9.503	ppbv	98
29) Chloroform	5.256	83	1613168	10.745	ppbv	98
30) Cyclohexane	6.574	84	854290	9.568	ppbv	99
31) cis-1,2-Dichloroethene	5.063	61	1014784	10.424	ppbv	97
32) 1,1,1-Trichloroethane	5.983	97	1631708	10.918	ppbv	99
34) 2-Butanone	4.774	43	1063353	10.357	ppbv	100
35) Carbon Tetrachloride	6.468	117	1628577	11.227	ppbv	98
36) Benzene	6.346	78	2150675	10.245	ppbv	97
37) 1,2-Dichloroethane	5.786	62	1265878	12.568	ppbv	97
38) Trichloroethene	7.262	130	1128245	10.041	ppbv	92
39) 1,2-Dichloropropane	7.044	63	850940	10.404	ppbv	97
40) 1,4-Dioxane	7.256	88	330173	10.542	ppbv	93
41) Tetrahydrofuran	5.539	42	849356	9.899	ppbv	98
42) Bromodichloromethane	7.220	83	1807940	11.239	ppbv	97
43) Methyl Methacrylate	7.449	69	865194	10.428	ppbv	96
44) 2,2,4-Trimethylpentane	7.301	57	3601856	10.165	ppbv	99
45) t-1,3-Dichloropropene	8.677	75	861956	10.846	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	1132895	10.444	ppbv	98
47) 1,1,2-Trichloroethane	8.867	97	854427	10.316	ppbv	94
48) Dibromochloromethane	9.677	129	1431922	10.147	ppbv	98
49) Bromoform	12.368	173	1074361	9.471	ppbv	100
50) 4-Methyl-2-Pentanone	8.153	43	2245328	10.683	ppbv	100
51) 2-Hexanone	9.523	43	1777150	10.844	ppbv	99
52) Tetrachloroethene	10.580	164	708845	9.013	ppbv	93
53) Toluene	9.188	91	2398732	9.960	ppbv	100
54) 1,2-Dibromoethane	9.976	107	1007130	10.957	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.474	131	984618	9.284	ppbv	95
57) Chlorobenzene	11.490	112	1689073	8.977	ppbv	95
58) Ethyl Benzene	12.053	91	3161778	9.427	ppbv	97
59) m/p-Xylene	12.336	91	5230445m	18.682	ppbv	
60) o-Xylene	13.024	91	2468043	9.305	ppbv	97
61) Styrene	12.863	104	1499232	9.186	ppbv	97
62) Isopropylbenzene	13.995	105	3471135	8.971	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.008	83	877491	8.884	ppbv	98
64) n-propylbenzene	14.883	120	876392	8.467	ppbv	82
65) tert-Butylbenzene	16.056	119	2826519	8.320	ppbv	94
66) Benzyl Chloride	16.294	91	217896m	5.516	ppbv	
67) sec-Butylbenzene	16.603	105	4055731	8.770	ppbv	97
69) p-Isopropyltoluene	16.966	119	3156585	8.229	ppbv	97
70) n-Butylbenzene	17.850	91	3383765	9.125	ppbv	98
71) 2-Chlorotoluene	14.764	91	2652964	9.125	ppbv	96
72) 4-Ethyltoluene	15.159	105	2710758	9.076	ppbv	96
73) 1,3,5-Trimethylbenzene	15.317	105	2411652	9.108	ppbv	92
74) 1,2,4-Trimethylbenzene	16.072	105	2488176	8.845	ppbv	96
75) 1,3-Dichlorobenzene	16.294	146	1387014	8.444	ppbv	99
76) 1,4-Dichlorobenzene	16.439	146	1344991	8.345	ppbv	97
77) 1,2-Dichlorobenzene	17.104	146	1320385	8.527	ppbv	99
78) Hexachloro-1,3-Butadiene	22.593	225	913735	7.965	ppbv	99
79) Naphthalene	21.342	128	2025903	9.906	ppbv	100
80) Naphthalene,2-methyl-	24.348	142	665210	7.671	ppbv	96
81) 1,2,4-Trichlorobenzene	21.101	180	1064350	9.303	ppbv	100

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

