

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
 Data File : VL040063.D
 Acq On : 22 Dec 2022 11:48
 Operator : SY/MD
 Sample : VL1222ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1222ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/23/2022
 Supervised By : Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 06:26:33 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	888899	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2496599	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2924713m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1844816 8.257 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 82.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1424804	8.563	ppbv	99
3) Chlorodifluoromethane	2.652	51	1179897	8.996	ppbv	99
4) Chloromethane	2.790	50	737045	8.969	ppbv	99
5) Vinyl Chloride	2.896	62	618229	9.298	ppbv	98
6) Bromomethane	3.095	94	223802	9.161	ppbv	94
7) Chloroethane	3.173	64	236658	9.434	ppbv	95
8) Dichlorotetrafluoroethane	2.832	85	1586427	9.062	ppbv	98
9) Propene	2.671	41	492823	8.855	ppbv	99
10) Heptane	7.558	43	1254232	9.233	ppbv	98
11) Trichlorofluoromethane	3.539	101	1724649	9.539	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1289704	9.419	ppbv	99
13) Ethanol	3.218	45	42124m	8.041	ppbv	
14) Bromoethene	3.340	108	499958	9.696	ppbv	99
15) Acetone	3.443	43	1154349	8.395	ppbv	100
16) 1,3-Butadiene	2.960	39	577045	9.654	ppbv	99
17) tert-Butyl alcohol	3.851	59	1191808	8.791	ppbv	99
18) 1,1-Dichloroethene	3.857	96	560530	9.405	ppbv	97
19) Isopropyl Alcohol	3.549	45	604807	8.925	ppbv #	97
20) Methylene Chloride	3.909	84	486584	8.325	ppbv	96
21) Allyl Chloride	3.970	41	791373	9.577	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	599854	10.098	ppbv	94
23) Vinyl Acetate	4.600	43	414118	9.499	ppbv	97
24) 1,1-Dichloroethane	4.539	63	1183372	9.244	ppbv	99
25) Ethyl Acetate	5.179	43	2163868	9.086	ppbv	99
26) Hexane	5.189	57	916153	9.153	ppbv	99
27) Carbon Disulfide	4.099	76	1390367	11.013	ppbv	98
28) Methyl tert-Butyl Ether	4.562	73	1076721	9.128	ppbv	99
29) Chloroform	5.250	83	1387263	9.083	ppbv	100
30) Cyclohexane	6.578	84	820945	9.261	ppbv	99
31) cis-1,2-Dichloroethene	5.054	61	896777	9.408	ppbv	97
32) 1,1,1-Trichloroethane	5.980	97	1647469	10.075	ppbv	99
34) 2-Butanone	4.761	43	1283051	9.473	ppbv	100
35) Carbon Tetrachloride	6.472	117	1710064	11.028	ppbv	100
36) Benzene	6.346	78	2094581	9.394	ppbv	96
37) 1,2-Dichloroethane	5.783	62	1279840	9.785	ppbv	98
38) Trichloroethene	7.272	130	1229353	10.729	ppbv	99
39) 1,2-Dichloropropane	7.050	63	783201	9.371	ppbv	94
40) 1,4-Dioxane	7.266	88	342440	9.091	ppbv	93
41) Tetrahydrofuran	5.533	42	790573	9.352	ppbv	99
42) Bromodichloromethane	7.227	83	1821236	10.164	ppbv	98
43) Methyl Methacrylate	7.452	69	834736	9.975	ppbv	99
44) 2,2,4-Trimethylpentane	7.308	57	3434111	9.355	ppbv	100
45) t-1,3-Dichloropropene	8.687	75	791981	11.198	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1074799	10.775	ppbv	99
47) 1,1,2-Trichloroethane	8.877	97	854145	9.332	ppbv	97
48) Dibromochloromethane	9.693	129	1432594	10.292	ppbv	99
49) Bromoform	12.391	173	1057353	9.958	ppbv	99
50) 4-Methyl-2-Pentanone	8.160	43	2119876	9.581	ppbv	99
51) 2-Hexanone	9.529	43	1649155	9.582	ppbv #	99
52) Tetrachloroethene	10.597	164	704629	9.295	ppbv	98
53) Toluene	9.201	91	2364174	9.577	ppbv	100
54) 1,2-Dibromoethane	9.989	107	973656	9.879	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.491	131	1020994	7.568	ppbv	99
57) Chlorobenzene	11.507	112	1783381	7.183	ppbv	96
58) Ethyl Benzene	12.069	91	3145133	7.569	ppbv	99
59) m/p-Xylene	12.352	91	5361579m	14.811	ppbv	
60) o-Xylene	13.040	91	2536731	7.314	ppbv	100
61) Styrene	12.880	104	1472135	7.914	ppbv	99
62) Isopropylbenzene	14.011	105	3539791	7.079	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.028	83	820833	6.455	ppbv	99
64) n-propylbenzene	14.902	120	896975	7.102	ppbv	98
65) tert-Butylbenzene	16.072	119	3015615	6.940	ppbv	98
66) Benzyl Chloride	16.310	91	195137	7.701	ppbv	100
67) sec-Butylbenzene	16.619	105	4235197	6.955	ppbv	99
69) p-Isopropyltoluene	16.979	119	3418667	7.028	ppbv	100
70) n-Butylbenzene	17.870	91	3630436	7.124	ppbv	99
71) 2-Chlorotoluene	14.780	91	2692139	7.057	ppbv	100
72) 4-Ethyltoluene	15.175	105	2801865	7.276	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	2468868	7.109	ppbv	94
74) 1,2,4-Trimethylbenzene	16.092	105	2663234	6.957	ppbv	97
75) 1,3-Dichlorobenzene	16.310	146	1463380	6.986	ppbv	99
76) 1,4-Dichlorobenzene	16.455	146	1437879	7.031	ppbv	99
77) 1,2-Dichlorobenzene	17.124	146	1412081	7.029	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	990713	7.109	ppbv #	100
79) Naphthalene	21.365	128	2158852	9.464	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	454096	6.507	ppbv	99
81) 1,2,4-Trichlorobenzene	21.124	180	1075171	7.935	ppbv	99

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

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