

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
 Data File : VL040954.D
 Acq On : 22 Dec 2023 10:44
 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 12/26/2023
 Supervised By : Mahesh Dadoda 12/26/2023

Quant Time: Dec 23 01:19:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Fri Dec 22 23:57:16 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1150046	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2990103	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3038595m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.741 95 2055907 9.186 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.767	85	2148008	9.806	ppbv	99
3) Chlorodifluoromethane	2.716	51	1698329	9.813	ppbv	99
4) Chloromethane	2.851	50	650247	10.190	ppbv	94
5) Vinyl Chloride	2.954	62	669376	10.867	ppbv	97
6) Bromomethane	3.147	94	281287	10.293	ppbv	94
7) Chloroethane	3.227	64	236229	10.757	ppbv	96
8) Dichlorotetrafluoroethane	2.893	85	1602016	10.150	ppbv	99
9) Propene	2.735	41	601768	10.538	ppbv	100
10) Heptane	7.561	43	1468312	10.344	ppbv	99
11) Trichlorofluoromethane	3.584	101	1736196	10.138	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	1273257	9.574	ppbv	98
13) Ethanol	3.269	45	128022	8.887	ppbv	99
14) Bromoethene	3.391	108	510278	10.468	ppbv	99
15) Acetone	3.491	43	1228508	8.907	ppbv	100
16) 1,3-Butadiene	3.018	39	626487	10.549	ppbv	100
17) tert-Butyl alcohol	3.896	59	1050787	10.299	ppbv	99
18) 1,1-Dichloroethene	3.896	96	552279	10.058	ppbv	95
19) Isopropyl Alcohol	3.597	45	776061	10.783	ppbv #	99
20) Methylene Chloride	3.951	84	466044	9.479	ppbv	98
21) Allyl Chloride	4.012	41	836852	10.264	ppbv	98
22) trans-1,2-Dichloroethene	4.455	96	630247	10.066	ppbv	97
23) Vinyl Acetate	4.632	43	1797326	11.812	ppbv	100
24) 1,1-Dichloroethane	4.571	63	1434133	10.537	ppbv	99
25) Ethyl Acetate	5.205	43	2540107	10.628	ppbv	99
26) Hexane	5.214	57	1103502	10.418	ppbv	98
27) Carbon Disulfide	4.137	76	1427628	9.959	ppbv	96
28) Methyl tert-Butyl Ether	4.594	73	1034896	10.529	ppbv	99
29) Chloroform	5.275	83	1804350	10.095	ppbv	99
30) Cyclohexane	6.594	84	954293	10.807	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1140290	10.480	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	1800067	10.416	ppbv	99
34) 2-Butanone	4.790	43	1590938	10.058	ppbv	99
35) Carbon Tetrachloride	6.484	117	1906918	10.183	ppbv	99
36) Benzene	6.362	78	2345836	10.036	ppbv	100
37) 1,2-Dichloroethane	5.803	62	1372485	9.799	ppbv	99
38) Trichloroethene	7.275	130	906557	10.326	ppbv	98
39) 1,2-Dichloropropane	7.057	63	913713	9.947	ppbv	96
40) 1,4-Dioxane	7.269	88	370683	9.558	ppbv	98
41) Tetrahydrofuran	5.555	42	974219	10.123	ppbv	97
42) Bromodichloromethane	7.233	83	1980521	9.805	ppbv	99
43) Methyl Methacrylate	7.459	69	965201	10.527	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	3874703	9.759	ppbv	99
45) t-1,3-Dichloropropene	8.684	75	777792	11.434	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	928296	11.023	ppbv	98
47) 1,1,2-Trichloroethane	8.873	97	980466	10.063	ppbv	98
48) Dibromochloromethane	9.684	129	1764917	10.611	ppbv	99
49) Bromoform	12.375	173	1404937	10.948	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	2445214	10.207	ppbv	99
51) 2-Hexanone	9.523	43	1786829	10.363	ppbv	98
52) Tetrachloroethene	10.584	164	833250	10.582	ppbv	97
53) Toluene	9.198	91	2693974	10.394	ppbv	99
54) 1,2-Dibromoethane	9.979	107	1440537	10.773	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.478	131	1260615	9.487	ppbv	99
57) Chlorobenzene	11.497	112	2111490	9.436	ppbv	98
58) Ethyl Benzene	12.056	91	3664341	9.389	ppbv	97
59) m/p-Xylene	12.339	91	6099595m	18.374	ppbv	
60) o-Xylene	13.027	91	2894036	9.252	ppbv	98
61) Styrene	12.867	104	1568399	10.548	ppbv	99
62) Isopropylbenzene	13.995	105	4369732	9.421	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.015	83	2093551	9.291	ppbv	99
64) n-propylbenzene	14.879	120	1165569	10.018	ppbv	93
65) tert-Butylbenzene	16.053	119	3821330	9.692	ppbv	97
66) Benzyl Chloride	16.288	91	308741	11.443	ppbv	98
67) sec-Butylbenzene	16.600	105	5367178	9.367	ppbv	100
69) p-Isopropyltoluene	16.960	119	4398054	9.875	ppbv	99
70) n-Butylbenzene	17.850	91	4486473	9.703	ppbv	99
71) 2-Chlorotoluene	14.764	91	3347221	9.370	ppbv	98
72) 4-Ethyltoluene	15.159	105	3492918	10.175	ppbv	99
73) 1,3,5-Trimethylbenzene	15.314	105	2954500	9.971	ppbv	98
74) 1,2,4-Trimethylbenzene	16.072	105	3252003	9.862	ppbv	97
75) 1,3-Dichlorobenzene	16.294	146	1885541	10.010	ppbv	99
76) 1,4-Dichlorobenzene	16.436	146	1858727	10.087	ppbv	99
77) 1,2-Dichlorobenzene	17.104	146	1813572	9.994	ppbv	99
78) Hexachloro-1,3-Butadiene	22.590	225	985984	8.834	ppbv	99
79) Naphthalene	21.345	128	2092759m	13.171	ppbv	
80) Naphthalene,2-methyl-	24.345	142	337299	11.615	ppbv	98
81) 1,2,4-Trichlorobenzene	21.095	180	1048487m	11.494	ppbv	

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

