

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040778.D
 Acq On : 23 Oct 2023 14:37
 Operator : SY/MD
 Sample : VL1023ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1023ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 05:34:46 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	957861	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2707598	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2623955m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 1972772 10.218 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	1547336	9.173	ppbv	98
3) Chlorodifluoromethane	2.681	51	1448642	10.291	ppbv	99
4) Chloromethane	2.816	50	548818	9.873	ppbv	96
5) Vinyl Chloride	2.922	62	567719	9.884	ppbv	98
6) Bromomethane	3.121	94	255975	10.773	ppbv	98
7) Chloroethane	3.198	64	193250	10.336	ppbv	100
8) Dichlorotetrafluoroethane	2.861	85	1341869	10.494	ppbv	97
9) Propene	2.700	41	528700	10.112	ppbv	99
10) Heptane	7.568	43	1297548	9.879	ppbv	99
11) Trichlorofluoromethane	3.562	101	1375202	10.563	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	973367	10.483	ppbv	100
13) Ethanol	3.240	45	114773	9.724	ppbv	99
14) Bromoethene	3.369	108	417703	10.504	ppbv	97
15) Acetone	3.468	43	968258	9.778	ppbv	100
16) 1,3-Butadiene	2.989	39	535156	10.302	ppbv	99
17) tert-Butyl alcohol	3.877	59	1036562	10.209	ppbv	100
18) 1,1-Dichloroethene	3.880	96	430175	10.337	ppbv	94
19) Isopropyl Alcohol	3.575	45	697884	10.948	ppbv	100
20) Methylene Chloride	3.931	84	346597	8.403	ppbv	97
21) Allyl Chloride	3.996	41	682131	10.445	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	466538	10.533	ppbv	98
23) Vinyl Acetate	4.623	43	1138002	9.018	ppbv	98
24) 1,1-Dichloroethane	4.558	63	947771	9.958	ppbv	100
25) Ethyl Acetate	5.198	43	2170253	10.003	ppbv	100
26) Hexane	5.205	57	950073	9.581	ppbv	99
27) Carbon Disulfide	4.121	76	1155920	10.565	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	711505	9.227	ppbv	100
29) Chloroform	5.269	83	1519158	10.588	ppbv	97
30) Cyclohexane	6.590	84	849027	10.062	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	967065	10.583	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1545354	10.120	ppbv	99
34) 2-Butanone	4.780	43	1065487	8.694	ppbv	99
35) Carbon Tetrachloride	6.484	117	1651869	10.869	ppbv	97
36) Benzene	6.362	78	2117394	10.167	ppbv	100
37) 1,2-Dichloroethane	5.800	62	1160688	10.882	ppbv	99
38) Trichloroethene	7.282	130	833778	9.046	ppbv	97
39) 1,2-Dichloropropane	7.063	63	812698	9.988	ppbv	95
40) 1,4-Dioxane	7.275	88	328562	10.671	ppbv #	97
41) Tetrahydrofuran	5.549	42	852122	10.040	ppbv	98
42) Bromodichloromethane	7.240	83	1728346	10.817	ppbv	100
43) Methyl Methacrylate	7.465	69	866498	10.394	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	3391246	9.629	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	753297	11.332	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	881628	10.855	ppbv	98
47) 1,1,2-Trichloroethane	8.886	97	872889	10.213	ppbv	98
48) Dibromochloromethane	9.696	129	1567472	10.944	ppbv	100
49) Bromoform	12.394	173	1276021	10.959	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	2125408	10.138	ppbv	99
51) 2-Hexanone	9.539	43	1639395	10.274	ppbv #	99
52) Tetrachloroethene	10.600	164	786518	9.297	ppbv	97
53) Toluene	9.208	91	2458323	9.918	ppbv	99
54) 1,2-Dibromoethane	9.995	107	1309914	10.933	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.497	131	1102361	10.294	ppbv	97
57) Chlorobenzene	11.513	112	1915894	10.191	ppbv	97
58) Ethyl Benzene	12.073	91	3291618	9.963	ppbv	98
59) m/p-Xylene	12.359	91	5430851m	19.973	ppbv	
60) o-Xylene	13.044	91	2559468	9.879	ppbv	99
61) Styrene	12.886	104	1490848	10.386	ppbv	100
62) Isopropylbenzene	14.018	105	3937790	9.880	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	1816667	9.353	ppbv	99
64) n-propylbenzene	14.905	120	1088979	10.171	ppbv	99
65) tert-Butylbenzene	16.076	119	3463324	9.634	ppbv	99
66) Benzyl Chloride	16.310	91	362458	10.008	ppbv	99
67) sec-Butylbenzene	16.622	105	4873250	9.901	ppbv	99
69) p-Isopropyltoluene	16.979	119	4086959	9.909	ppbv	100
70) n-Butylbenzene	17.870	91	4100178	10.124	ppbv	99
71) 2-Chlorotoluene	14.786	91	2983800	9.966	ppbv	100
72) 4-Ethyltoluene	15.179	105	3137655	10.342	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2716928	10.171	ppbv	100
74) 1,2,4-Trimethylbenzene	16.095	105	2921090	10.009	ppbv	99
75) 1,3-Dichlorobenzene	16.314	146	1818491	10.019	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1792396	9.971	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1751067	9.832	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	851775	6.684	ppbv	100
79) Naphthalene	21.368	128	2767952	11.667	ppbv	99
80) Naphthalene,2-methyl-	24.358	142	887064	13.325	ppbv	99
81) 1,2,4-Trichlorobenzene	21.124	180	1367354	10.616	ppbv	100

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

