

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040796.D
 Acq On : 25 Oct 2023 11:33
 Operator : SY/MD
 Sample : VL1025ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:50:57 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	5.192	49	902270	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2553686	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2572511	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1934014 10.217 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1560137	9.819	ppbv	99
3) Chlorodifluoromethane	2.694	51	1495981	11.282	ppbv	97
4) Chloromethane	2.829	50	547733	10.461	ppbv	100
5) Vinyl Chloride	2.935	62	558266	10.319	ppbv	100
6) Bromomethane	3.134	94	256379	11.455	ppbv	100
7) Chloroethane	3.211	64	194392	11.037	ppbv	97
8) Dichlorotetrafluoroethane	2.874	85	1381786	11.472	ppbv	99
9) Propene	2.713	41	519306	10.544	ppbv	99
10) Heptane	7.568	43	1319004	10.661	ppbv	99
11) Trichlorofluoromethane	3.571	101	1443382	11.770	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	993770	11.362	ppbv	99
13) Ethanol	3.253	45	105657	9.503	ppbv	99
14) Bromoethene	3.375	108	410992	10.972	ppbv	96
15) Acetone	3.478	43	1001905	10.741	ppbv	98
16) 1,3-Butadiene	2.999	39	544557	11.128	ppbv	99
17) tert-Butyl alcohol	3.883	59	966809	10.108	ppbv	100
18) 1,1-Dichloroethene	3.886	96	443390	11.311	ppbv	99
19) Isopropyl Alcohol	3.584	45	680004	11.325	ppbv #	40
20) Methylene Chloride	3.938	84	364780	9.389	ppbv	98
21) Allyl Chloride	4.002	41	665276	10.815	ppbv	93
22) trans-1,2-Dichloroethene	4.446	96	483778	11.595	ppbv	95
23) Vinyl Acetate	4.626	43	1219202	10.256	ppbv	98
24) 1,1-Dichloroethane	4.565	63	964963	10.763	ppbv	100
25) Ethyl Acetate	5.201	43	2109379	10.321	ppbv	99
26) Hexane	5.208	57	926584	9.920	ppbv	99
27) Carbon Disulfide	4.128	76	1149837	11.157	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	704002	9.692	ppbv	100
29) Chloroform	5.272	83	1542369	11.412	ppbv	98
30) Cyclohexane	6.594	84	838582	10.550	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	816640	9.487	ppbv	94
32) 1,1,1-Trichloroethane	5.999	97	1575874	10.955	ppbv	98
34) 2-Butanone	4.787	43	1060989	9.179	ppbv	97
35) Carbon Tetrachloride	6.488	117	1699398	11.856	ppbv	97
36) Benzene	6.365	78	2094844	10.665	ppbv	98
37) 1,2-Dichloroethane	5.803	62	1201554	11.944	ppbv	98
38) Trichloroethene	7.282	130	830577	9.555	ppbv	98
39) 1,2-Dichloropropane	7.063	63	812233	10.584	ppbv	94
40) 1,4-Dioxane	7.275	88	326158	11.231	ppbv #	98
41) Tetrahydrofuran	5.552	42	859957	10.743	ppbv	99
42) Bromodichloromethane	7.240	83	1786677	11.856	ppbv	97
43) Methyl Methacrylate	7.465	69	868027	11.040	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	3428490	10.322	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	742802	11.847	ppbv	100

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	873266	11.400	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	880538	10.924	ppbv	96
48) Dibromochloromethane	9.693	129	1558819	11.539	ppbv	98
49) Bromoform	12.391	173	1260194	11.476	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2180775	11.029	ppbv	98
51) 2-Hexanone	9.536	43	1632301	10.846	ppbv #	99
52) Tetrachloroethene	10.600	164	755255	9.466	ppbv	96
53) Toluene	9.204	91	2439839	10.437	ppbv	98
54) 1,2-Dibromoethane	9.995	107	1322623	11.704	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.491	131	1109013	10.563	ppbv #	93
57) Chlorobenzene	11.510	112	1884257	10.223	ppbv	99
58) Ethyl Benzene	12.073	91	3299278	10.186	ppbv	98
59) m/p-Xylene	12.355	91	5554284m	20.835	ppbv	
60) o-Xylene	13.044	91	2605652	10.258	ppbv	99
61) Styrene	12.883	104	1457580	10.357	ppbv	98
62) Isopropylbenzene	14.015	105	3918540	10.028	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.028	83	1865419	9.796	ppbv	100
64) n-propylbenzene	14.899	120	1045573	9.960	ppbv	88
65) tert-Butylbenzene	16.072	119	3441673	9.765	ppbv	96
66) Benzyl Chloride	16.307	91	316778	8.921	ppbv	96
67) sec-Butylbenzene	16.616	105	4876243	10.105	ppbv	98
69) p-Isopropyltoluene	16.979	119	4035742	9.981	ppbv	99
70) n-Butylbenzene	17.870	91	4191821	10.558	ppbv	98
71) 2-Chlorotoluene	14.780	91	3060507	10.427	ppbv	97
72) 4-Ethyltoluene	15.175	105	3136819	10.546	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	2704148	10.326	ppbv	98
74) 1,2,4-Trimethylbenzene	16.088	105	2940227	10.276	ppbv	94
75) 1,3-Dichlorobenzene	16.314	146	1770642	9.950	ppbv	98
76) 1,4-Dichlorobenzene	16.455	146	1732761	9.832	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	1698565	9.728	ppbv	97
78) Hexachloro-1,3-Butadiene	22.612	225	1083893	8.676	ppbv	100
79) Naphthalene	21.362	128	2682184	11.532	ppbv	99
80) Naphthalene,2-methyl-	24.358	142	785917	12.041	ppbv	97
81) 1,2,4-Trichlorobenzene	21.117	180	1324519	10.489	ppbv	100

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

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