

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041026.D
 Acq On : 25 Jan 2024 12:14
 Operator : SY/MD
 Sample : VL0125ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0125ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/26/2024
 Supervised By : Mahesh Dadoda 01/26/2024

Quant Time: Jan 26 00:25:59 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Jan 26 00:23:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1184355	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2990972	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2838458m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.764	95	2132642	9.947	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2443255	9.340	ppbv	97
3) Chlorodifluoromethane	2.665	51	1896304	9.520	ppbv	99
4) Chloromethane	2.800	50	724572	9.704	ppbv	99
5) Vinyl Chloride	2.909	62	746710	10.200	ppbv	99
6) Bromomethane	3.108	94	316970	9.944	ppbv	97
7) Chloroethane	3.185	64	265003	10.053	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	1817144	9.299	ppbv	98
9) Propene	2.684	41	665884	10.191	ppbv	94
10) Heptane	7.568	43	1593786	9.911	ppbv	100
11) Trichlorofluoromethane	3.549	101	1956334	9.281	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1401950	9.177	ppbv	99
13) Ethanol	3.227	45	130705	8.393	ppbv	97
14) Bromoethene	3.353	108	577474	9.846	ppbv	98
15) Acetone	3.455	43	1344358	8.876	ppbv	99
16) 1,3-Butadiene	2.973	39	700214	9.664	ppbv	98
17) tert-Butyl alcohol	3.867	59	1292467	10.404	ppbv	98
18) 1,1-Dichloroethene	3.867	96	618206	9.452	ppbv	98
19) Isopropyl Alcohol	3.565	45	874971	9.980	ppbv #	97
20) Methylene Chloride	3.922	84	513964	8.819	ppbv	93
21) Allyl Chloride	3.986	41	900636	9.787	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	649409	9.643	ppbv	100
23) Vinyl Acetate	4.616	43	1578097	10.108	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1313312	9.483	ppbv	100
25) Ethyl Acetate	5.192	43	2745636	9.998	ppbv	99
26) Hexane	5.201	57	1170201	9.997	ppbv	99
27) Carbon Disulfide	4.111	76	1586977	10.418	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	934926	9.623	ppbv	99
29) Chloroform	5.263	83	1975092	9.513	ppbv	98
30) Cyclohexane	6.590	84	971888	9.909	ppbv	99
31) cis-1,2-Dichloroethene	5.066	61	1197887	10.903	ppbv	92
32) 1,1,1-Trichloroethane	5.992	97	1991293	10.035	ppbv	99
34) 2-Butanone	4.774	43	1455980	10.218	ppbv	99
35) Carbon Tetrachloride	6.481	117	2088953	10.473	ppbv	98
36) Benzene	6.359	78	2504267	10.138	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1518063	10.070	ppbv	100
38) Trichloroethene	7.279	130	969959	9.794	ppbv	99
39) 1,2-Dichloropropane	7.060	63	968681	9.954	ppbv	98
40) 1,4-Dioxane	7.272	88	414156	10.247	ppbv	96
41) Tetrahydrofuran	5.542	42	1053960	10.894	ppbv	99
42) Bromodichloromethane	7.240	83	2212753	10.259	ppbv	98
43) Methyl Methacrylate	7.462	69	1045708	10.970	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	4106810	9.881	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	779009	11.961	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	930508	11.456	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	1076908	10.267	ppbv	98
48) Dibromochloromethane	9.700	129	1888629	10.650	ppbv	99
49) Bromoform	12.394	173	1527404	10.981	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	2643507	10.534	ppbv	100
51) 2-Hexanone	9.539	43	1936639	10.706	ppbv	99
52) Tetrachloroethene	10.603	164	857983	10.459	ppbv	98
53) Toluene	9.208	91	2845986	10.517	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1543398	10.865	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.497	131	1353440	9.938	ppbv	100
57) Chlorobenzene	11.513	112	2203607	9.651	ppbv	98
58) Ethyl Benzene	12.076	91	3868840	10.150	ppbv	97
59) m/p-Xylene	12.362	91	6589309m	19.828	ppbv	
60) o-Xylene	13.047	91	3170700	9.944	ppbv	99
61) Styrene	12.886	104	1649862	11.269	ppbv	99
62) Isopropylbenzene	14.015	105	4578241	9.709	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	2361618	9.530	ppbv	99
64) n-propylbenzene	14.905	120	1192179	10.007	ppbv	97
65) tert-Butylbenzene	16.079	119	4043221	9.814	ppbv	100
66) Benzyl Chloride	16.320	91	320455m	11.870	ppbv	
67) sec-Butylbenzene	16.622	105	5699088	9.500	ppbv	100
69) p-Isopropyltoluene	16.982	119	4585157	9.867	ppbv	100
70) n-Butylbenzene	17.873	91	4904674	9.768	ppbv	100
71) 2-Chlorotoluene	14.789	91	3573998	9.823	ppbv	100
72) 4-Ethyltoluene	15.182	105	3650263	10.250	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3138381	9.930	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	3475771	9.702	ppbv	91
75) 1,3-Dichlorobenzene	16.320	146	1984829	9.734	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	1944220	9.663	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1916496	9.457	ppbv	98
78) Hexachloro-1,3-Butadiene	22.616	225	1109418	8.489	ppbv	99
79) Naphthalene	21.371	128	2586206	12.654	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	613215	17.083	ppbv	99
81) 1,2,4-Trichlorobenzene	21.124	180	1261513m	10.579	ppbv	

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

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