

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041580.D
 Acq On : 22 Aug 2024 10:03
 Operator : SY/MD
 Sample : VL0822ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0822ABS01

Quant Time: Aug 23 01:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 23 01:28:43 2024
 QLast Update : Fri Aug 23 01:15:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/23/2024
 Supervised By : Mahesh Dadoda 08/23/2024

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

Internal Standards						
1) Bromochloromethane	5.192	49	951392	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2549747	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2605277m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	1927128	9.612	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	1144685	6.994	ppbv	100
3) Chlorodifluoromethane	2.687	51	984770	8.695	ppbv	99
4) Chloromethane	2.825	50	527174	8.751	ppbv	99
5) Vinyl Chloride	2.931	62	528214	8.896	ppbv	97
6) Bromomethane	3.131	94	229366	7.516	ppbv	99
7) Chloroethane	3.205	64	188168	9.183	ppbv	99
8) Dichlorotetrafluoroethane	2.867	85	1255304	8.656	ppbv	98
9) Propene	2.706	41	436406	8.388	ppbv	99
10) Heptane	7.574	43	1122801	9.605	ppbv	100
11) Trichlorofluoromethane	3.568	101	1268188	8.725	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.069	101	909409	8.688	ppbv	100
13) Ethanol	3.256	45	33291m	7.159	ppbv	
14) Bromoethene	3.375	108	369980	9.067	ppbv	99
15) Acetone	3.475	43	925696	8.564	ppbv	100
16) 1,3-Butadiene	2.996	39	526777	9.121	ppbv	97
17) tert-Butyl alcohol	3.883	59	977448	9.915	ppbv	99
18) 1,1-Dichloroethene	3.886	96	392146	8.758	ppbv	99
19) Isopropyl Alcohol	3.581	45	587677	9.299	ppbv #	96
20) Methylene Chloride	3.938	84	330338	8.195	ppbv	97
21) Allyl Chloride	4.002	41	626485	8.837	ppbv	100
22) trans-1,2-Dichloroethene	4.446	96	400664	8.950	ppbv	98
23) Vinyl Acetate	4.629	43	744397	9.017	ppbv	98
24) 1,1-Dichloroethane	4.565	63	888852	9.144	ppbv	99
25) Ethyl Acetate	5.201	43	2009866	9.359	ppbv	99
26) Hexane	5.211	57	809267	9.084	ppbv	95
27) Carbon Disulfide	4.127	76	952480	9.139	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	495790	8.825	ppbv	99
29) Chloroform	5.275	83	1272755	8.759	ppbv	97
30) Cyclohexane	6.597	84	704784	9.715	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	787947	8.953	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	1253127	8.859	ppbv	100
34) 2-Butanone	4.787	43	1091296	8.848	ppbv	99
35) Carbon Tetrachloride	6.491	117	1307890	9.300	ppbv	99
36) Benzene	6.365	78	1750419	9.395	ppbv	99
37) 1,2-Dichloroethane	5.803	62	967289	9.276	ppbv	99
38) Trichloroethene	7.285	130	862219	10.102	ppbv	97
39) 1,2-Dichloropropane	7.069	63	680927	9.546	ppbv	99
40) 1,4-Dioxane	7.278	88	252157	8.800	ppbv #	1
41) Tetrahydrofuran	5.555	42	708336	10.041	ppbv	97
42) Bromodichloromethane	7.243	83	1397349	9.280	ppbv	97
43) Methyl Methacrylate	7.465	69	684632	10.248	ppbv	96
44) 2,2,4-Trimethylpentane	7.320	57	2982924	9.586	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	557101	9.060	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	763951	8.603	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	737000	9.374	ppbv	96
48) Dibromochloromethane	9.700	129	1226026	9.679	ppbv	100
49) Bromoform	12.394	173	1143256	10.685	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	1973933	10.144	ppbv	100
51) 2-Hexanone	9.542	43	1590181	10.807	ppbv #	97
52) Tetrachloroethene	10.603	164	664706	9.233	ppbv	99
53) Toluene	9.211	91	2046620	9.862	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1021713	9.763	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	924704	9.152	ppbv #	54
57) Chlorobenzene	11.513	112	1666723	8.985	ppbv	99
58) Ethyl Benzene	12.076	91	2836096	9.445	ppbv	99
59) m/p-Xylene	12.359	91	4921387m	18.985	ppbv	
60) o-Xylene	13.043	91	2396798	9.774	ppbv	100
61) Styrene	12.886	104	1151033	10.404	ppbv	98
62) Isopropylbenzene	14.018	105	3496678	9.380	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1458342	9.418	ppbv	100
64) n-propylbenzene	14.902	120	961884	9.870	ppbv	95
65) tert-Butylbenzene	16.075	119	3320094	9.860	ppbv	99
66) Benzyl Chloride	16.313	91	205074	9.496	ppbv	99
67) sec-Butylbenzene	16.619	105	4740419	10.218	ppbv	100
69) p-Isopropyltoluene	16.982	119	4034989	10.482	ppbv	100
70) n-Butylbenzene	17.870	91	4306968	10.914	ppbv	100
71) 2-Chlorotoluene	14.786	91	2736065	9.953	ppbv	99
72) 4-Ethyltoluene	15.175	105	2986324	10.344	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	2581930	10.381	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	2964615	10.253	ppbv	97
75) 1,3-Dichlorobenzene	16.317	146	1873937	10.310	ppbv	100
76) 1,4-Dichlorobenzene	16.458	146	1808964	10.278	ppbv	100
77) 1,2-Dichlorobenzene	17.127	146	1923961	10.678	ppbv	99
78) Hexachloro-1,3-Butadiene	22.612	225	1496133	9.737	ppbv	99
79) Naphthalene	21.365	128	3314588	12.988	ppbv	99
80) Naphthalene,2-methyl-	24.358	142	1396988	6.530	ppbv	100
81) 1,2,4-Trichlorobenzene	21.123	180	1715541	11.296	ppbv	100

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

