

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
 Data File : VL041154.D
 Acq On : 23 Apr 2024 10:42
 Operator : SY/MD
 Sample : VL0423ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0423ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/24/2024
 Supervised By :Mahesh Dadoda 04/24/2024

Quant Time: Apr 24 02:49:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Wed Apr 24 02:47:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1268252	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3266669	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3201280	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2603167 10.112 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1912295	8.815	ppbv	100
3) Chlorodifluoromethane	2.674	51	1953395	10.000	ppbv	99
4) Chloromethane	2.813	50	751774	10.170	ppbv	99
5) Vinyl Chloride	2.919	62	768771	10.766	ppbv	96
6) Bromomethane	3.118	94	262781	9.777	ppbv	92
7) Chloroethane	3.195	64	274286	10.466	ppbv	98
8) Dichlorotetrafluoroethane	2.854	85	1891224	10.219	ppbv	99
9) Propene	2.694	41	654056	10.526	ppbv	95
10) Heptane	7.568	43	1631529	11.059	ppbv	99
11) Trichlorofluoromethane	3.559	101	1969020	10.009	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.060	101	1426653	10.019	ppbv	100
13) Ethanol	3.234	45	144183	9.755	ppbv	98
14) Bromoethene	3.362	108	596728	10.640	ppbv	100
15) Acetone	3.462	43	1379427	10.045	ppbv	99
16) 1,3-Butadiene	2.983	39	733928	10.887	ppbv	100
17) tert-Butyl alcohol	3.870	59	1344271	10.809	ppbv	100
18) 1,1-Dichloroethene	3.874	96	639291	10.516	ppbv	94
19) Isopropyl Alcohol	3.571	45	925511	11.094	ppbv #	96
20) Methylene Chloride	3.928	84	522434	9.224	ppbv	97
21) Allyl Chloride	3.989	41	886227	10.591	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	666185	10.453	ppbv	95
23) Vinyl Acetate	4.620	43	1516384	10.809	ppbv	98
24) 1,1-Dichloroethane	4.555	63	1324132	10.374	ppbv	99
25) Ethyl Acetate	5.195	43	2718362	10.541	ppbv	100
26) Hexane	5.205	57	1190527	10.288	ppbv	99
27) Carbon Disulfide	4.118	76	1580013	11.143	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	911674	10.440	ppbv	100
29) Chloroform	5.269	83	1999911	10.252	ppbv	99
30) Cyclohexane	6.594	84	1033018	10.959	ppbv	96
31) cis-1,2-Dichloroethene	5.070	61	1185896	10.827	ppbv	98
32) 1,1,1-Trichloroethane	5.996	97	1985754	11.012	ppbv	99
34) 2-Butanone	4.777	43	1481740	10.719	ppbv	98
35) Carbon Tetrachloride	6.484	117	2102595	11.305	ppbv	97
36) Benzene	6.362	78	2567643	10.704	ppbv	99
37) 1,2-Dichloroethane	5.800	62	1521500	10.564	ppbv	99
38) Trichloroethene	7.282	130	1000104	11.540	ppbv	95
39) 1,2-Dichloropropane	7.066	63	1006032	10.636	ppbv	99
40) 1,4-Dioxane	7.275	88	407065	12.348	ppbv	70
41) Tetrahydrofuran	5.546	42	1044606	11.350	ppbv	99
42) Bromodichloromethane	7.237	83	2249518	10.932	ppbv	96
43) Methyl Methacrylate	7.462	69	1069675	11.706	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	4268715	10.749	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	728160	13.522	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	902921	12.960	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	1104368	10.803	ppbv	98
48) Dibromochloromethane	9.700	129	1880136	11.586	ppbv	99
49) Bromoform	12.397	173	1552318	12.074	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	2758532	11.340	ppbv	99
51) 2-Hexanone	9.539	43	2040410	12.097	ppbv #	99
52) Tetrachloroethene	10.603	164	875296	11.436	ppbv	95
53) Toluene	9.211	91	2945137	11.660	ppbv	99
54) 1,2-Dibromoethane	9.996	107	1538706	12.069	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1387372	10.545	ppbv	100
57) Chlorobenzene	11.516	112	2303619	10.512	ppbv	99
58) Ethyl Benzene	12.076	91	3986702	11.375	ppbv	97
59) m/p-Xylene	12.362	91	6877382m	21.728	ppbv	
60) o-Xylene	13.047	91	3291419	10.975	ppbv	100
61) Styrene	12.886	104	1670094	12.567	ppbv	100
62) Isopropylbenzene	14.018	105	4798544	10.748	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	2523747	10.710	ppbv	99
64) n-propylbenzene	14.909	120	1246797m	11.127	ppbv	
65) tert-Butylbenzene	16.079	119	4304084	11.042	ppbv	99
66) Benzyl Chloride	16.314	91	301211	11.745	ppbv	99
67) sec-Butylbenzene	16.625	105	6073554	10.785	ppbv	100
69) p-Isopropyltoluene	16.982	119	4931183	11.228	ppbv	99
70) n-Butylbenzene	17.873	91	5372402	11.261	ppbv	100
71) 2-Chlorotoluene	14.790	91	3746938	10.941	ppbv	100
72) 4-Ethyltoluene	15.182	105	3836079	11.452	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3303197	11.181	ppbv	99
74) 1,2,4-Trimethylbenzene	16.095	105	3694458	10.927	ppbv	97
75) 1,3-Dichlorobenzene	16.320	146	2150017	10.891	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	2106598	10.971	ppbv	100
77) 1,2-Dichlorobenzene	17.130	146	2111929	11.017	ppbv	100
78) Hexachloro-1,3-Butadiene	22.622	225	1304678	10.237	ppbv	100
79) Naphthalene	21.371	128	3161513	14.575	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	648617	15.351	ppbv	96
81) 1,2,4-Trichlorobenzene	21.127	180	1520733	12.506	ppbv	100

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

