

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039720.D
 Acq On : 17 Oct 2022 15:27
 Operator : SY/AP
 Sample : VL1017ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Quant Time: Oct 18 05:26:27 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12

QLast Update : Tue Oct 18 05:23:57 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/19/2022
 Supervised By : Mahesh Dadoda 10/19/2022

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

Internal Standards						
1) Bromochloromethane	5.227	49	1070927	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.690	114	2807817	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	2795684m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.806	95	1941297	9.302	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.767	85	935117	7.532	ppbv	97
3) Chlorodifluoromethane	2.713	51	1136911	8.946	ppbv	97
4) Chloromethane	2.851	50	702838	9.164	ppbv	100
5) Vinyl Chloride	2.957	62	604866	9.462	ppbv	98
6) Bromomethane	3.156	94	219661	9.318	ppbv	100
7) Chloroethane	3.237	64	222209	9.505	ppbv	93
8) Dichlorotetrafluoroethane	2.896	85	1348115	9.052	ppbv	95
9) Propene	2.732	41	501033	8.632	ppbv	98
10) Heptane	7.613	43	1331804	9.833	ppbv	100
11) Trichlorofluoromethane	3.603	101	1416197	9.211	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.105	101	1094796	9.427	ppbv	97
13) Ethanol	3.275	45	38523m	8.711	ppbv	
14) Bromoethene	3.404	108	434162	9.365	ppbv	96
15) Acetone	3.507	43	1079688	9.060	ppbv	99
16) 1,3-Butadiene	3.025	39	569436	9.420	ppbv	98
17) tert-Butyl alcohol	3.915	59	933553	8.729	ppbv	100
18) 1,1-Dichloroethene	3.922	96	477381	9.343	ppbv	97
19) Isopropyl Alcohol	3.613	45	519797	8.557	ppbv	99
20) Methylene Chloride	3.973	84	414539	7.524	ppbv	97
21) Allyl Chloride	4.037	41	764847	9.426	ppbv	97
22) trans-1,2-Dichloroethene	4.484	96	499214	9.876	ppbv	93
23) Vinyl Acetate	4.668	43	506140m	9.396	ppbv	
24) 1,1-Dichloroethane	4.603	63	1023199	9.538	ppbv	98
25) Ethyl Acetate	5.243	43	2360456	9.084	ppbv	99
26) Hexane	5.253	57	957130	8.680	ppbv	95
27) Carbon Disulfide	4.163	76	1211617	10.455	ppbv	99
28) Methyl tert-Butyl Ether	4.626	73	836280	9.027	ppbv	99
29) Chloroform	5.314	83	1501161	9.430	ppbv	97
30) Cyclohexane	6.639	84	825648	9.669	ppbv	97
31) cis-1,2-Dichloroethene	5.118	61	922024	9.245	ppbv	96
32) 1,1,1-Trichloroethane	6.041	97	1431113	9.930	ppbv	98
34) 2-Butanone	4.825	43	1176202	8.528	ppbv	98
35) Carbon Tetrachloride	6.529	117	1532360	10.280	ppbv	100
36) Benzene	6.407	78	2044064	9.522	ppbv	98
37) 1,2-Dichloroethane	5.844	62	1113150	9.527	ppbv	100
38) Trichloroethene	7.327	130	1184609	10.211	ppbv	98
39) 1,2-Dichloropropane	7.111	63	758721	9.153	ppbv	96
40) 1,4-Dioxane	7.320	88	309625m	9.148	ppbv	
41) Tetrahydrofuran	5.597	42	828719	9.795	ppbv	95
42) Bromodichloromethane	7.285	83	1580026	9.723	ppbv	99
43) Methyl Methacrylate	7.510	69	796154	10.174	ppbv	98
44) 2,2,4-Trimethylpentane	7.362	57	3453985	9.335	ppbv	99
45) t-1,3-Dichloropropene	8.745	75	733890	11.098	ppbv	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

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

QLast Update : Tue Oct 18 05:23:57 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1017545	10.809	ppbv	96
47) 1,1,2-Trichloroethane	8.934	97	835747	9.224	ppbv	96
48) Dibromochloromethane	9.745	129	1370818	10.047	ppbv	99
49) Bromoform	12.436	173	1111173	9.847	ppbv	99
50) 4-Methyl-2-Pentanone	8.217	43	2182961	10.073	ppbv	98
51) 2-Hexanone	9.584	43	1646574	10.264	ppbv #	100
52) Tetrachloroethene	10.648	164	753463	9.200	ppbv	97
53) Toluene	9.253	91	2388409	10.004	ppbv	100
54) 1,2-Dibromoethane	10.044	107	952814	9.830	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.539	131	1010640	8.945	ppbv	98
57) Chlorobenzene	11.561	112	1794203	8.727	ppbv	99
58) Ethyl Benzene	12.121	91	3108215	9.643	ppbv	99
59) m/p-Xylene	12.404	91	5267803m	18.363	ppbv	
60) o-Xylene	13.089	91	2493446	9.102	ppbv	99
61) Styrene	12.928	104	1479444	10.028	ppbv	99
62) Isopropylbenzene	14.060	105	3641024	8.833	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.079	83	917573	8.397	ppbv	99
64) n-propylbenzene	14.947	120	935384	8.861	ppbv	94
65) tert-Butylbenzene	16.121	119	3186593	8.750	ppbv	100
66) Benzyl Chloride	16.358	91	245109m	8.453	ppbv	
67) sec-Butylbenzene	16.667	105	4449268	8.710	ppbv	99
69) p-Isopropyltoluene	17.027	119	3717153	8.856	ppbv	99
70) n-Butylbenzene	17.915	91	3736788	9.082	ppbv	99
71) 2-Chlorotoluene	14.831	91	2629853	8.836	ppbv	100
72) 4-Ethyltoluene	15.223	105	2833737	9.061	ppbv	98
73) 1,3,5-Trimethylbenzene	15.381	105	2596947	9.075	ppbv	97
74) 1,2,4-Trimethylbenzene	16.140	105	2797810	8.722	ppbv	98
75) 1,3-Dichlorobenzene	16.362	146	1671000	8.730	ppbv	100
76) 1,4-Dichlorobenzene	16.503	146	1599742	8.355	ppbv	100
77) 1,2-Dichlorobenzene	17.175	146	1601806	8.582	ppbv	99
78) Hexachloro-1,3-Butadiene	22.670	225	1293379	9.069	ppbv	99
79) Naphthalene	21.416	128	2732304	12.907	ppbv	98
80) Naphthalene,2-methyl-	24.400	142	786028	9.875	ppbv	99
81) 1,2,4-Trichlorobenzene	21.172	180	1517835	10.916	ppbv	100

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

