

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040347.D
 Acq On : 12 Apr 2023 22:03
 Operator : SY/MD
 Sample : 02213-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

Quant Time: Apr 13 07:41:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

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

Internal Standards						
1) Bromochloromethane	5.192	49	890378	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2265524	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	1956086	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1608894	9.822	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	102812	0.589	ppbv	98
3) Chlorodifluoromethane	2.665	51	58502	0.523	ppbv	99
4) Chloromethane	2.806	50	38433	0.556	ppbv	96
5) Vinyl Chloride	2.912	62	26861	0.480	ppbv #	86
6) Bromomethane	3.115	94	9853	0.508	ppbv	93
7) Chloroethane	3.192	64	11026	0.513	ppbv	96
8) Dichlorotetrafluoroethane	2.848	85	80639	0.539	ppbv	98
9) Propene	2.684	41	23031	0.537	ppbv	98
10) Heptane	7.587	43	37549	0.364	ppbv	91
11) Trichlorofluoromethane	3.558	101	80749	0.510	ppbv	87
12) 1,1,2-Trichlorotrifluo...	4.060	101	58223	0.490	ppbv	91
13) Ethanol	3.246	45	3226	1.025	ppbv	80
14) Bromoethene	3.359	108	21416	0.483	ppbv #	94
15) Acetone	3.475	43	71964	0.664	ppbv	90
16) 1,3-Butadiene	2.980	39	26727m	0.542	ppbv	
17) tert-Butyl alcohol	3.893	59	51026	0.495	ppbv	98
18) 1,1-Dichloroethene	3.880	96	23732	0.465	ppbv #	85
19) Isopropyl Alcohol	3.584	45	28637	0.552	ppbv #	94
20) Methylene Chloride	3.928	84	47044	1.032	ppbv	94
21) Allyl Chloride	3.992	41	31052	0.442	ppbv	96
22) trans-1,2-Dichloroethene	4.446	96	21947	0.423	ppbv	89
23) Vinyl Acetate	4.629	43	14090m	0.467	ppbv	
24) 1,1-Dichloroethane	4.558	63	51854	0.482	ppbv	97
25) Ethyl Acetate	5.214	43	105067	0.518	ppbv	99
26) Hexane	5.208	57	54281	0.652	ppbv	79
27) Carbon Disulfide	4.124	76	43792	0.376	ppbv #	84
28) Methyl tert-Butyl Ether	4.597	73	39030	0.408	ppbv	98
29) Chloroform	5.269	83	78085	0.531	ppbv	95
30) Cyclohexane	6.610	84	26366m	0.402	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	32242	0.397	ppbv	91
32) 1,1,1-Trichloroethane	6.005	97	71162	0.505	ppbv	97
34) 2-Butanone	4.796	43	55106	0.493	ppbv	97
35) Carbon Tetrachloride	6.500	117	70895m	0.499	ppbv	
36) Benzene	6.372	78	72033	0.417	ppbv	96
37) 1,2-Dichloroethane	5.809	62	53944	0.480	ppbv	97
38) Trichloroethene	7.295	130	44184	0.468	ppbv	96
39) 1,2-Dichloropropane	7.076	63	30777	0.454	ppbv	85
40) 1,4-Dioxane	7.330	88	12554m	0.468	ppbv	
41) Tetrahydrofuran	5.584	42	25714m	0.398	ppbv	
42) Bromodichloromethane	7.259	83	69532	0.453	ppbv	89
43) Methyl Methacrylate	7.484	69	21946m	0.342	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	126054m	0.438	ppbv	
45) t-1,3-Dichloropropene	8.725	75	19127m	0.342	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	28759m	0.362	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	36024m	0.498	ppbv	
48) Dibromochloromethane	9.725	129	49935m	0.420	ppbv	
49) Bromoform	12.413	173	34703m	0.388	ppbv	
50) 4-Methyl-2-Pentanone	8.208	43	65932	0.381	ppbv	93
51) 2-Hexanone	9.587	43	48189m	0.360	ppbv	
52) Tetrachloroethene	10.632	164	23286m	0.446	ppbv	
53) Toluene	9.237	91	63355m	0.350	ppbv	
54) 1,2-Dibromoethane	10.018	107	32065m	0.431	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.523	131	46122m	0.561	ppbv	
57) Chlorobenzene	11.532	112	74543	0.536	ppbv #	97
58) Ethyl Benzene	12.108	91	81171	0.364	ppbv	95
59) m/p-Xylene	12.388	91	172852m	0.847	ppbv	
60) o-Xylene	13.072	91	76694	0.393	ppbv	99
61) Styrene	12.912	104	30115m	0.304	ppbv	
62) Isopropylbenzene	14.047	105	124434	0.448	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	37508	0.546	ppbv	93
64) n-propylbenzene	14.928	120	29245m	0.430	ppbv	
65) tert-Butylbenzene	16.104	119	100723	0.421	ppbv	88
66) Benzyl Chloride	16.346	91	7108m	0.457	ppbv	
67) sec-Butylbenzene	16.654	105	151966	0.444	ppbv	97
69) p-Isopropyltoluene	17.018	119	104371	0.392	ppbv	94
70) n-Butylbenzene	17.905	91	125975m	0.429	ppbv	
71) 2-Chlorotoluene	14.815	91	87849m	0.416	ppbv	
72) 4-Ethyltoluene	15.207	105	86431m	0.405	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	81967m	0.424	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	94149	0.427	ppbv #	80
75) 1,3-Dichlorobenzene	16.349	146	58207m	0.488	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	54806m	0.482	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	58429m	0.509	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	44285m	0.527	ppbv	
79) Naphthalene	21.400	128	39317m	0.302	ppbv	
80) Naphthalene,2-methyl-	24.422	142	3552m	0.108	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	28902m	0.360	ppbv	

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

Manual Integrations

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