

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040348.D
 Acq On : 12 Apr 2023 22:43
 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 07:48:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 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	5.189	49	935047	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2444441	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2172544	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1844176	10.137	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	93039	0.507	ppbv	93
3) Chlorodifluoromethane	2.665	51	58862	0.501	ppbv	100
4) Chloromethane	2.803	50	38530	0.531	ppbv	91
5) Vinyl Chloride	2.909	62	30193	0.514	ppbv	90
6) Bromomethane	3.115	94	11114m	0.545	ppbv	
7) Chloroethane	3.189	64	11440	0.507	ppbv #	88
8) Dichlorotetrafluoroethane	2.845	85	82961	0.528	ppbv	98
9) Propene	2.684	41	23396	0.519	ppbv	95
10) Heptane	7.581	43	42372	0.391	ppbv	93
11) Trichlorofluoromethane	3.555	101	82186	0.494	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.060	101	58428	0.468	ppbv	94
13) Ethanol	3.253	45	2658m	0.805	ppbv	
14) Bromoethene	3.359	108	21480	0.461	ppbv #	91
15) Acetone	3.475	43	77508	0.681	ppbv	92
16) 1,3-Butadiene	2.976	39	26218m	0.507	ppbv	
17) tert-Butyl alcohol	3.886	59	50530	0.467	ppbv	96
18) 1,1-Dichloroethene	3.877	96	26118	0.488	ppbv	97
19) Isopropyl Alcohol	3.584	45	26519	0.486	ppbv #	90
20) Methylene Chloride	3.928	84	26433	0.552	ppbv	86
21) Allyl Chloride	3.996	41	31079	0.421	ppbv	87
22) trans-1,2-Dichloroethene	4.439	96	22697	0.416	ppbv	94
23) Vinyl Acetate	4.626	43	16510	0.521	ppbv #	94
24) 1,1-Dichloroethane	4.562	63	54224	0.480	ppbv	99
25) Ethyl Acetate	5.208	43	93570	0.439	ppbv	97
26) Hexane	5.214	57	37549m	0.429	ppbv	
27) Carbon Disulfide	4.124	76	51703m	0.423	ppbv	
28) Methyl tert-Butyl Ether	4.594	73	42203	0.420	ppbv	100
29) Chloroform	5.269	83	79448	0.514	ppbv	90
30) Cyclohexane	6.603	84	29308m	0.425	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	38429m	0.451	ppbv	
32) 1,1,1-Trichloroethane	6.002	97	73550	0.497	ppbv	99
34) 2-Butanone	4.800	43	61276m	0.508	ppbv	
35) Carbon Tetrachloride	6.494	117	71433m	0.466	ppbv	
36) Benzene	6.372	78	78050	0.419	ppbv #	95
37) 1,2-Dichloroethane	5.809	62	56492	0.466	ppbv	98
38) Trichloroethene	7.295	130	44979	0.442	ppbv	96
39) 1,2-Dichloropropane	7.079	63	32535	0.445	ppbv #	88
40) 1,4-Dioxane	7.324	88	11415m	0.395	ppbv	
41) Tetrahydrofuran	5.584	42	25874m	0.372	ppbv	
42) Bromodichloromethane	7.253	83	72990	0.441	ppbv #	93
43) Methyl Methacrylate	7.488	69	24187m	0.349	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	128076m	0.412	ppbv	
45) t-1,3-Dichloropropene	8.725	75	19702m	0.326	ppbv	

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QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	26343m	0.307	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	35887m	0.460	ppbv	
48) Dibromochloromethane	9.719	129	48278	0.376	ppbv	90
49) Bromoform	12.420	173	35824m	0.372	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	74557m	0.399	ppbv	
51) 2-Hexanone	9.577	43	45495m	0.315	ppbv	
52) Tetrachloroethene	10.629	164	26884m	0.477	ppbv	
53) Toluene	9.227	91	64415m	0.330	ppbv	
54) 1,2-Dibromoethane	10.012	107	35665m	0.444	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.526	131	44626m	0.488	ppbv	
57) Chlorobenzene	11.536	112	73445	0.475	ppbv	97
58) Ethyl Benzene	12.102	91	88988	0.360	ppbv	96
59) m/p-Xylene	12.375	91	177505m	0.783	ppbv	
60) o-Xylene	13.073	91	82664	0.382	ppbv	97
61) Styrene	12.915	104	32663m	0.297	ppbv	
62) Isopropylbenzene	14.044	105	128307	0.416	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	37116	0.487	ppbv	97
64) n-propylbenzene	14.931	120	28906m	0.383	ppbv	
65) tert-Butylbenzene	16.105	119	109441m	0.412	ppbv	
66) Benzyl Chloride	16.355	91	6760m	0.391	ppbv	
67) sec-Butylbenzene	16.654	105	152553	0.401	ppbv	97
69) p-Isopropyltoluene	17.008	119	109537	0.370	ppbv	95
70) n-Butylbenzene	17.902	91	122030	0.374	ppbv	96
71) 2-Chlorotoluene	14.815	91	87665	0.373	ppbv	100
72) 4-Ethyltoluene	15.214	105	86235	0.364	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.368	105	80117	0.373	ppbv	96
74) 1,2,4-Trimethylbenzene	16.121	105	100451	0.411	ppbv	93
75) 1,3-Dichlorobenzene	16.346	146	58240m	0.439	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	56713m	0.449	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	58053m	0.456	ppbv	
78) Hexachloro-1,3-Butadiene	22.661	225	48328m	0.517	ppbv	
79) Naphthalene	21.410	128	42677m	0.295	ppbv	
80) Naphthalene,2-methyl-	24.423	142	7328m	0.200	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	33108m	0.371	ppbv	

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

