

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040838.D
 Acq On : 13 Nov 2023 12:40
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Nov 13 15:29:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Mon Nov 13 15:18:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 11/15/2023
 Supervised By : Semsettin Yesilyurt 11/15/2023

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

Internal Standards						
1) Bromochloromethane	5.185	49	1065150	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.639	114	2957094	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2664111	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2099679	10.589	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	125183	0.659	ppbv	95
3) Chlorodifluoromethane	2.681	51	97871	0.624	ppbv	99
4) Chloromethane	2.819	50	35760	0.583	ppbv	89
5) Vinyl Chloride	2.925	62	34643	0.546	ppbv	97
6) Bromomethane	3.128	94	13393m	0.525	ppbv	
7) Chloroethane	3.198	64	12166	0.592	ppbv #	88
8) Dichlorotetrafluoroethane	2.864	85	88642	0.621	ppbv	98
9) Propene	2.700	41	32902	0.575	ppbv	100
10) Heptane	7.561	43	76146	0.527	ppbv	95
11) Trichlorofluoromethane	3.562	101	93747	0.639	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.066	101	67728	0.648	ppbv	99
13) Ethanol	3.259	45	7758m	0.614	ppbv	
14) Bromoethene	3.369	108	25673	0.580	ppbv #	89
15) Acetone	3.481	43	69188	0.632	ppbv	92
16) 1,3-Butadiene	2.986	39	28891	0.507	ppbv #	80
17) tert-Butyl alcohol	3.899	59	56899m	0.538	ppbv	
18) 1,1-Dichloroethene	3.877	96	29721	0.637	ppbv	85
19) Isopropyl Alcohol	3.600	45	41679	0.606	ppbv #	91
20) Methylene Chloride	3.931	84	31557	0.687	ppbv #	78
21) Allyl Chloride	3.993	41	38480	0.539	ppbv #	85
22) trans-1,2-Dichloroethene	4.443	96	29109	0.576	ppbv #	90
23) Vinyl Acetate	4.629	43	67240m	0.470	ppbv	
24) 1,1-Dichloroethane	4.555	63	60283	0.545	ppbv #	93
25) Ethyl Acetate	5.205	43	120655	0.505	ppbv #	95
26) Hexane	5.205	57	56530	0.519	ppbv	96
27) Carbon Disulfide	4.124	76	70890	0.580	ppbv #	92
28) Methyl tert-Butyl Ether	4.594	73	43407	0.496	ppbv #	87
29) Chloroform	5.266	83	97144	0.601	ppbv	97
30) Cyclohexane	6.581	84	51436m	0.557	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	44970	0.441	ppbv	91
32) 1,1,1-Trichloroethane	5.986	97	91616m	0.538	ppbv	
34) 2-Butanone	4.793	43	62487	0.443	ppbv	93
35) Carbon Tetrachloride	6.481	117	89754	0.532	ppbv	93
36) Benzene	6.353	78	124659	0.548	ppbv	94
37) 1,2-Dichloroethane	5.793	62	69661	0.581	ppbv	98
38) Trichloroethene	7.272	130	47397m	0.473	ppbv	
39) 1,2-Dichloropropane	7.060	63	49971m	0.562	ppbv	
40) 1,4-Dioxane	7.304	88	20536m	0.617	ppbv	
41) Tetrahydrofuran	5.574	42	46094	0.501	ppbv	96
42) Bromodichloromethane	7.234	83	101170	0.566	ppbv	90
43) Methyl Methacrylate	7.462	69	41075	0.452	ppbv	88
44) 2,2,4-Trimethylpentane	7.311	57	205499	0.534	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	21264m	0.312	ppbv	

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QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	30049m	0.354	ppbv	
47) 1,1,2-Trichloroethane	8.883	97	50199m	0.536	ppbv	
48) Dibromochloromethane	9.690	129	77363m	0.491	ppbv	
49) Bromoform	12.384	173	54218m	0.432	ppbv	
50) 4-Methyl-2-Pentanone	8.188	43	111927	0.488	ppbv	100
51) 2-Hexanone	9.558	43	77293m	0.446	ppbv	
52) Tetrachloroethene	10.594	164	41902m	0.459	ppbv	
53) Toluene	9.201	91	127273	0.472	ppbv	99
54) 1,2-Dibromoethane	9.989	107	64702	0.497	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.484	131	57456	0.524	ppbv #	69
57) Chlorobenzene	11.503	112	103422	0.539	ppbv #	97
58) Ethyl Benzene	12.073	91	179608m	0.531	ppbv	
59) m/p-Xylene	12.349	91	308135m	1.103	ppbv	
60) o-Xylene	13.037	91	147296	0.554	ppbv	97
61) Styrene	12.876	104	66829m	0.463	ppbv	
62) Isopropylbenzene	14.008	105	220078m	0.541	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.031	83	105448	0.529	ppbv	98
64) n-propylbenzene	14.896	120	52740	0.488	ppbv	83
65) tert-Butylbenzene	16.069	119	175424	0.480	ppbv	89
66) Benzyl Chloride	16.336	91	7060m	0.229	ppbv	
67) sec-Butylbenzene	16.616	105	251589	0.502	ppbv	99
69) p-Isopropyltoluene	16.973	119	193578	0.464	ppbv	96
70) n-Butylbenzene	17.863	91	211358m	0.512	ppbv	
71) 2-Chlorotoluene	14.773	91	165165m	0.538	ppbv	
72) 4-Ethyltoluene	15.172	105	151252	0.491	ppbv	95
73) 1,3,5-Trimethylbenzene	15.330	105	143792m	0.530	ppbv	
74) 1,2,4-Trimethylbenzene	16.082	105	161290m	0.542	ppbv	
75) 1,3-Dichlorobenzene	16.307	146	87180m	0.481	ppbv	
76) 1,4-Dichlorobenzene	16.445	146	78621	0.438	ppbv	94
77) 1,2-Dichlorobenzene	17.124	146	83101	0.469	ppbv	96
78) Hexachloro-1,3-Butadiene	22.609	225	59998m	0.480	ppbv	
79) Naphthalene	21.374	128	72197m	0.315	ppbv	
80) Naphthalene,2-methyl-	24.480	142	10927m	0.191	ppbv	
81) 1,2,4-Trichlorobenzene	21.127	180	45721m	0.368	ppbv	

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

Manual Integrations

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